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REPORT OF THE CHIEF

OF

MASSACHUSETTS DISTRICT POLICE,

FOR

THE YEAR ENDING DECEMBER 31, 1894,

INCLUDING

THE RESULT OF THE INSPECTION OF FACTORIES
AND PUBLIC BUILDINGS.

BOSTON :

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Commonwealth of Massachusetts.


OFFICE OF THE CHIEF OF THE DISTRICT POLICE,
BOSTON, January 1, 1895.

To His Excellency FREDERIC T. GREENHALGE, *Governor of the Commonwealth.*

GOVERNOR:—I have the honor to submit a report of the duties performed by the District Police for the year ending Dec. 31, 1894.

Very respectfully, your obedient servant,

RUFUS R. WADE,
Chief District Police.



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Commonwealth of Massachusetts.

REPORT.

In compliance with the provisions of the Public Statutes, it becomes my duty to make a report at this time of the work of inspection by this department in relation to factories, workshops and public buildings, together with the inspection of uninsured steam-boilers, and certain other similar work required of this force by statutes, as well as services rendered under the direction of the several district attorneys of the Commonwealth, and otherwise, in the prevention of crime, the preservation of the public peace and the detection and punishment of criminals.

The present constitutes my sixteenth annual report to the governor of the Commonwealth.

The entire number of this force is thirty-nine, an additional member having been authorized by chapter 281, Acts of 1894, and appointed as provided in said act, for the southern district. Twelve officers are designated for service in the detective department; one for the inspection of uninsured steam-boilers, and to inquire into the ability and competency of the engineers in charge thereof; and the remaining officers are detailed for duty in the inspection department.

The district police force is divided into two departments, known respectively as the inspection department and the detective department. Of the former two are women, as provided by law. The chief is the head of each of said departments. The members of each department are appointed

with reference to their special qualifications for the services required therein, and no officer in the inspection department is required to perform work other than that to which he is assigned, unless his services are commanded by the governor, as provided by law, in suppressing riots and preserving the peace. There have been a few occasions where the emergency specified has made it necessary for the entire force to be called upon to act under the orders of the governor.

THE DETECTIVE DEPARTMENT.

From the nature of the work assigned to the officers who are detailed to this department, it must be observed that little in the way of statistics can be furnished in my annual report. These officers perform many duties under the direction of the Commonwealth's prosecuting officers, and it necessarily happens that a considerable amount of their time is spent pursuing investigations prior to making arrests, as well as in the collection and preparation of testimony for the purposes of the trial. I have had occasion to remark in previous reports that the officers to whom these duties are entrusted are men whose experience, gained not only by years of faithful and honorable service in this department but by similar work in other stations of trust and responsibility, entitles them to confidence and respect. It gives me pleasure to submit the following copies of letters received from the district attorneys:—

COMMONWEALTH OF MASSACHUSETTS.

OFFICE OF THE DISTRICT ATTORNEY FOR THE SOUTHERN DISTRICT,
TAUNTON, Sept. 7, 1894.

RUFUS R. WADE, Esq., *Chief Mass. District Police.*

MY DEAR SIR:—Yours of yesterday, relating to the “efficiency and effectiveness” of the work performed by George F. Seaver, is at hand. I have no hesitation in saying the work performed by him is most efficient and effective. I have known of his work ever since his first appointment, and I think I know whereof I speak. During the past year I have found his work most praiseworthy.

Very truly yours,

LLOYD E. WHITE,
District Attorney.

COMMONWEALTH OF MASSACHUSETTS.

DISTRICT ATTORNEY'S OFFICE, WESTERN DISTRICT,
PALMER, Sept. 8, 1894.RUFUS R. WADE, Esq., *Chief Mass. District Police.*

MY DEAR SIR:—Yours of the 6th instant came duly to hand. In my official capacity I have had considerable to do with Officer Pease, and have seen nothing to criticise in the manner in which his official duties have been discharged. He has always been ready, prompt and efficient; has exercised good judgment, and done his work with a good deal of thoroughness, so that his cases have always been well prepared.

He lives so far from me and so far from any part of my district which I have occasion to visit that I have no acquaintance with the details of his work except as they relate to cases to which my attention is specially called; but in all these matters he has given entire satisfaction.

Yours very truly,

CH. GARDNER.

COMMONWEALTH OF MASSACHUSETTS.

DISTRICT ATTORNEY'S OFFICE, SOUTHEASTERN DISTRICT,
DEDHAM, Sept. 12, 1894.

RUFUS R. WADE, Esq.

DEAR SIR:—Yours of the 6th instant is at hand. Mr. Pratt has served in my district since January, 1867. He has always been considered an excellent officer, and is as capable of good, effective work as ever. His territory is too large for one man, including as it does two counties, and that fact sometimes handicaps him.

In the cases to which I have had occasion to direct his attention his work has been good.

Yours very truly,

ROBERT O. HARRIS.

DISTRICT ATTORNEY'S OFFICE, MIDDLE DISTRICT,
WORCESTER, Sept. 13, 1894.RUFUS R. WADE, Esq., *Boston, Mass.*

MY DEAR SIR:—I have to apologize for a few days' delay in replying to your recent letter concerning Officer Murray of your force. I have been almost constantly away from my office, which is my only excuse for not making an earlier answer.

I have great pleasure in saying of Mr. Murray that my experience with him has satisfied me that he is a man of the strictest integrity and fidelity. He came to the office, as you know, prob-

ably, without much if any previous experience in criminal business, so that he entered on his work with some disadvantage. I have had relations with him in my criminal cases. I have found him always energetic, faithful and intelligent in all the work done for the district attorney's office, and I have had no reason to question, and do not question, his energy or intelligence; and, in summing up, I may say that I have the utmost confidence in him as a man and an officer. With the experience that he has attained since his appointment, I consider him to be a valuable officer.

I am, very respectfully, yours,

HERBERT PARKER.

COMMONWEALTH OF MASSACHUSETTS.

DISTRICT ATTORNEY'S OFFICE, EASTERN DISTRICT,
HAVERHILL, MASS., Sept. 20, 1894.

RUFUS R. WADE, Esq., *Chief Mass. District Police, Boston.*

MY DEAR SIR:—I have your letter of the 20th instant, requesting my opinion as to the efficiency of the detective officers assigned to this district.

We are peculiarly situated here, as there are two new officers just beginning their duties, and I must speak very largely from my experience for five years with their predecessors, Moulton Batchelder and Joseph E. Shaw. I cannot speak too strongly of the value of the work of those officers in this district. They had the confidence of the whole community, and rendered the most efficient service in the prevention and detection of crime.

Major Hammond, the first new appointee, was an officer of experience at the time of his appointment, and has already done extremely valuable work in a homicide case now pending. George C. Neal has just been appointed, and has as yet done very little. I am, however, well acquainted with his capacities as an officer from constant dealings with him while he was assistant marshal at Lynn, and I have no doubt whatever that he will be a faithful and efficient officer.

In a district where a large part of the territory consists of small towns without a regular paid police force, the district officers are an absolute necessity for the enforcement of the law and the protection of life and property.

Very respectfully yours,

WILLIAM H. MOODY,
Dist. Att'y for the Eastern District.

OFFICE OF JOHN A. AIKEN, ATTORNEY-AT-LAW,
GREENFIELD, MASS., Sept. 21, 1894.

RUFUS R. WADE, Esq., *Chief Mass. District Police.*

DEAR SIR:—Benson Munyan, the district police officer for the north-western judicial district, is an admirable man for the place. He has the experience acquired by long service on your force. As a detective officer he is acute, judicious, energetic and thorough. His cases are well prepared for trial. As a witness he is direct and clear, and believed by juries. He is faithful, prompt, sagacious and honest by nature.

JOHN A. AIKEN,
Dist. Att'y, North-western Judicial District.

COMMONWEALTH OF MASSACHUSETTS.

OFFICE OF DISTRICT ATTORNEY, NORTHERN DISTRICT,
LOWELL, Oct 20, 1894.

RUFUS R. WADE, Esq., *Chief of the District Police.*

DEAR SIR:—In answer to your letter, inquiring as to the necessity and usefulness of the district police officers in Middlesex County, I would say that it would be practically impossible to prepare many of the most important criminal cases for trial without their assistance. The cities in this county are well provided with experienced officers who are fully capable of taking charge of criminal matters within their jurisdiction. In many of the small towns, however, there is no one of sufficient experience to act with the promptitude and intelligence required upon the commission of a serious crime. In such cases the local authorities and prosecuting officers rely entirely upon the officers of the district police. The officers who are regularly assigned to act in the county, Mr. Josiah A. Bean and Mr. Jophanus H. Whitney, are well acquainted with the people in all parts of the county, have had great experience in criminal matters, and are well informed as to what should be done when their services are required. I have also found that in cases of emergency, when other officers of the force were needed, all have shown a zeal and aptitude which have been of the greatest assistance to me. Among this number I would mention the valuable services of Mr. Frederick A. Rhoades. My experience teaches me that a knowledge of criminal procedure and a willingness to work night and day when necessary are qualities which any officer should possess who attempts detective work; and these are the qualities which I have found in the officers mentioned.

Very truly yours,

FRED N. WIER,
Dist. Att'y, Northern District.

CODIFICATION OF CERTAIN STATUTES RELATING TO THE INSPECTION DEPARTMENT.

The Legislature of 1893, in chapter 108 of the Acts of that year, passed a resolve providing that the Attorney-General should cause to be codified, consolidated and arranged all laws in force relating to the regulations of the hours of labor in manufacturing and mechanical establishments, the attendance of children in schools, the inspection of factories, workshops and public buildings, and all laws which it is the duty of the members of the inspection department of the district police to enforce. Such codification, consolidation and arrangement has been accomplished; and legislation covering the period since 1879, when this department was established, is now brought into such form as best meets the needs of those entrusted with the enforcement, and the intelligent requirements of all whom it concerns.

For convenience of reference, and to make more clear the suggestions and recommendations of this report, I append the codified statutes, which are as follows:—

Chapter 382, Acts of 1894.

AN ACT RELATIVE TO THE CONSTRUCTION OF BUILDINGS TO BE USED AS THEATRES.

SECTION 1. In no building which shall hereafter be erected, excepting in the city of Boston, and designed to be used in whole or in part as a theatre, and in no building in which hereafter any change or alteration shall be made for the purpose of using the same as a theatre, shall the audience hall be placed above the second floor of said building. The audience hall and each gallery of every such building shall respectively have at least two independent exits, as far apart as may be, and when the audience hall is on the second floor the stairways from said floor to the ground floor shall be enclosed with fireproof walls from the basement floor up, and shall have no connection with the basement or first floor of the building. Every such exit shall have a width of at least twenty inches for every hundred persons which such hall, or gallery from which it leads, is capable of accommodating: *provided*, that two or more exits of the same aggregate width may be substituted for either of the two exits above required. None of the exits above required shall be less than five feet wide. It shall be the duty of such members of the inspection department of the district police

force as may be assigned to such duty by the chief of such force to enforce the provisions of this act outside of the city of Boston, and for such purpose such inspectors shall have the right of access to all parts of any building, subject to the provisions of this act.

SECT. 2. It shall be the duty of every owner, lessee or occupant of any building or part thereof subject to this act to cause the provisions thereof to be carried out, and any owner, lessee or occupant failing to observe such provisions shall be subject to a fine of not less than fifty nor more than one thousand dollars; but no prosecution therefor shall be brought until four weeks after written notice from an inspector, as above provided, of the changes necessary to be made in order to conform thereto, nor then if in the meantime such changes have been made in accordance with such notification. Notice to one member of a firm, or to the clerk or treasurer of a corporation, or to the person in charge of the premises, shall be deemed sufficient notice hereunder, and such notice may be given in person or by mail. Any such owner, lessee or occupant shall be liable for all damages caused by his violation of the provisions of this act. Any person using or occupying a building contrary to the provisions of this act may be enjoined from such use or occupation in a proceeding to be had before the superior court, or the supreme judicial court, at the instance of the inspector, and upon the filing of a petition therefor any judge or justice of the court in which such proceeding is pending may issue a temporary injunction or restraining order, as provided in proceedings in equity.

SECT. 3. No such building as is mentioned in section one of this act shall be so hereafter erected or so changed or altered, unless in process of erection at the date of the passage of this act, until a copy of the plans of such building has been deposited with the inspector of factories and public buildings for the district in which such building is or is to be located, together with a copy of such portion of the specification of such building as such inspector may require, by the person causing the erection, construction, change or alteration of such building, or by the architect who drew such plans and specifications; and any such person erecting, constructing, changing or altering such building, or any architect or other persons who shall draw such plans and specifications, violating the provisions of this section, shall be punished by fine of not less than fifty nor more than one thousand dollars, and such erection, construction, change or alteration may be enjoined in a proceeding to be had before the superior or supreme judicial court, as provided in section two of this act.

Chapter 481, Acts of 1894.

AN ACT IN RELATION TO THE INSPECTION DEPARTMENT OF THE DISTRICT POLICE AND THE INSPECTION OF BUILDINGS.

SECTION 1. The district police force shall be divided into two departments, which shall be known respectively as the inspection department and the detective department of said force. The inspection department shall consist of twenty-four male members and two female members, together with the chief of said force; the detective department shall consist of twelve members, and said chief. The chief of said district police force shall be the head of each of said departments. No member of the inspection department of said district police force shall be called to perform any other duties than those pertaining to the office of inspector of factories and public buildings, unless his services are commanded by the governor as provided by law in suppressing riots and preserving the peace; but the members of said inspection department shall continue to have and exercise all powers now given by law to members of said district police. Vacancies in either of said departments shall be filled by appointment to the department in which the vacancy occurs.

SECT. 2. Such inspectors shall enforce the provisions of this act, except as herein specified, and the various provisions of law relating to the employment of women and minors in manufacturing, mechanical and mercantile establishments, and the employment of children, young persons or women in factories or workshops, and the ventilation of factories or workshops, and the securing of proper sanitary provisions in factories or workshops, and the making of clothing in unsanitary conditions; and for this purpose the said inspectors may enter all buildings used for public or manufacturing purposes, or for factories or workshops, examine the methods of protection from accident, the means of escape from fire, the sanitary provisions and the means of ventilation, and may make investigations as to the employment of children, young persons and women.

SECT. 3. One member of said force shall be detailed to inspect, under the direction of the chief of said force, uninsured stationary steam-boilers and their appurtenances, and to inquire into the ability and competency of the engineers in charge thereof and report to said chief.

SECT. 4. The superior court shall have concurrent jurisdiction with the supreme judicial court of all proceedings under this chapter.

SECT. 5. Any person or corporation aggrieved by the order, requirement or direction of an inspector given under this act may, within ten days from the day of the service thereof, apply for an injunction against the enforcement of the same to a justice of the superior court; and thereupon, after such notice as the said justice shall order to all parties interested, a hearing may be had before some justice of said court at such early and convenient time and place as shall be fixed by said order, or the said justice may appoint three experts to examine the matter and hear the parties, which experts shall be disinterested persons and skilled in the subject-matter of the controversy; and the decision of said court, or the majority of said experts in writing, under oath, filed within ten days from the date of such hearing in the clerk's office of said court in the county where the subject of the controversy lies, may either alter the order, requirement or direction of such inspector, annul it in full or affirm the same. A duly certified copy of said decision, so filed as aforesaid, shall have the same authority, force and effect as the original order of the inspector; and said decision shall have the same authority and effect as the original order, requirement or direction. If such decision shall annul or alter the order, requirement or direction of the inspector, the court shall also enjoin the said inspector from enforcing his order, requirement or direction, and in every such case the certificate required by section twenty-seven of this act shall thereupon be issued by said justice or by his order, or the said experts appointed by said justice.

SECT. 6. The court may award reasonable compensation to experts appointed under the provisions of this act, to be paid by the county where the subject of the controversy lies, providing the appeal is decided against the order of the inspector; and to be paid by the party taking the appeal in case the order of the inspector is sustained.

SECT. 7. If the order, requirement or direction of the inspector is affirmed by the court or experts, costs shall be taxed as in civil cases against the party moving for the injunction, such costs to be paid into the treasury of the county where the subject of the controversy lies.

REPORT OF ACCIDENTS.

SECT. 8. All manufacturers, manufacturing corporations and proprietors of mercantile establishments shall forthwith send to the chief of the district police a written notice of any accident to an employee while at work in any factory, manufacturing or mercantile establishment operated by them, whenever the accident results in the death of such employee or causes bodily injury of such

a nature as to prevent the person injured from returning to his work within four days after the occurrence of the accident.

SECT. 9. When notice of any accident is sent to the chief of the district police under the provisions of section eight of this act he shall forthwith return to the sender of such notice a written or printed acknowledgment of the same.

SECT. 10. The chief of the district police shall keep a record of all accidents so reported to him, together with a statement of the name of the person injured, the city or town where the accident occurred and the cause thereof, and shall include an abstract of said record in his annual report.

REGULATION AND INSPECTION OF BUILDINGS.

SECT. 11. With the exception of Boston each city or town which has adopted chapter two hundred and forty-three of the acts of the year eighteen hundred and seventy-two, or section one of chapter one hundred and four of the Public Statutes, or which adopts this section, may for the prevention of fire and the preservation of life, by ordinances or by-laws not repugnant to law and applicable throughout the whole or any defined part of its territory, regulate the inspection, materials, construction, alteration and use of buildings and other structures within its limits, excepting such buildings and structures as are owned or occupied by the United States or the Commonwealth, and excepting also, bridges, quays and wharves, and may prescribe penalties not exceeding one hundred dollars for each violation of such regulations.

SECT. 12. In a town which has adopted chapter three hundred and seventy-five of the acts of the year eighteen hundred and seventy, or section two of chapter one hundred and four of the Public Statutes, or which adopts this and the following section, no dwelling house or other structure more than eight feet in length or breadth and seven feet in height, except detached houses or structures situated more than one hundred feet from any other building, and wooden structures erected on wooden wharves, shall be built within such limits as the town may from time to time prescribe, unless made of and covered with some incombustible material, or unless a special license in writing is granted therefor by a majority of the selectmen for reasons of public good or necessity, and is recorded in the records of the town.

SECT. 13. Any building or structure erected in violation of the provisions of chapter three hundred and seventy-five of the acts of the year eighteen hundred and seventy, or of section two of chapter one hundred and four of the Public Statutes, or in violation of the preceding section, shall be deemed a common nuisance,

without any other proof thereof than proof of its use; and the selectmen may abate and remove any such building or structure in the same manner as boards of health may remove nuisances under sections twenty-one, twenty-two and twenty-three of chapter eighty of the Public Statutes.

SECT. 14. In any city where the city council has adopted chapter forty-seven of the acts of the year eighteen hundred and seventy-eight, or sections four to twelve, inclusive, of chapter one hundred and four of the Public Statutes, or adopts this and the eight following sections, the superintendent of public buildings or such other officer as the mayor and aldermen may designate shall be inspector of buildings, and immediately on being informed by report or otherwise that a building or other structure or anything attached to or connected therewith in said city is unsafe or dangerous to life or limb, shall inspect the same; and if it appears to him that it is thus dangerous, he shall forthwith notify in writing the owner, agent or any person having an interest therein, to remove the same or to make it safe and secure; and if it appears that said structure from any cause would be specially unsafe in case of fire, it shall be deemed to be dangerous within the meaning hereof; and he may affix a notice of its dangerous character in a conspicuous place on the exterior walls thereof; and no person shall remove or deface such notice without authority from him.

SECT. 15. Whoever is so notified shall be allowed until twelve o'clock noon of the day following the service of the notice, in which to commence the securing or removal of such structure, and shall employ sufficient labor to secure or remove the same as expeditiously as it can be done; but in cases where the public safety requires immediate action the inspector may, if the mayor and aldermen so order, enter upon the premises with such workmen and assistants as may be necessary, and cause such unsafe structure to be shored up, taken down or otherwise secured without delay, and a proper fence or boarding put up for protection of passers-by.

SECT. 16. If such owner, agent or person interested in such unsafe structure refuses or neglects to comply with the requirements of such notice within the time specified, and such structure is not secured or taken down as therein ordered, a careful survey of the premises shall be made by a board consisting of the city engineer, the chief engineer of the fire department and one disinterested person to be appointed by said inspector; and a report of such survey shall be reduced to writing, and a copy thereof served on such owner, agent or any interested person.

SECT. 17. If such report declares such structure to be unsafe and dangerous, and if the owner, agent or person interested con-

tinues such refusal or neglect, the inspector shall cause the structure to be taken down or otherwise made safe; and the costs and charges incurred shall constitute a lien upon the estate where the same is situated, to be enforced within the time and in the manner provided for the collection of taxes on real estate; and such owner or interested person shall forfeit and pay to the city, for every day's continuance of such refusal or neglect after being so notified, not less than ten nor more than fifty dollars, to be recovered in an action of tort.

SECT. 18. Any owner or interested person aggrieved by such order may, within three days after the service thereof upon him, apply for a jury to the superior court if sitting in the county, or to a justice thereof in vacation. The court or justice shall issue a warrant for a jury to be impanelled by the sheriff within fourteen days from the date of the warrant, in the manner provided in chapter forty-nine of the Public Statutes relating to highways; or instead thereof, if the applicant so elect, and after such notice as the court or justice shall order to the adverse party or parties, shall direct a trial to be had at the bar of the superior court, in the same manner as other civil cases are there tried by jury.

SECT. 19. The jury may affirm, annul or alter such order, and the sheriff, if the trial is had before him, shall return the verdict to the next term of the court for acceptance; and the verdict, whether before the sheriff or in the superior court, being accepted, shall take effect as an original order.

SECT. 20. If the order is affirmed, costs shall be taxed against the applicant; if it is annulled, the applicant shall recover damages and costs against the city; if it is altered in part, the court may render such judgment as to costs as justice may require; but nothing contained in this and the two preceding sections shall prevent the city from recovering the forfeiture provided for in section seventeen, from the date of the service of the original notice, unless the order is annulled by the jury.

SECT. 21. If an owner or interested person lives out of the Commonwealth any of said notices may be served by a notary public, whose certificate of service under his notarial seal shall be sufficient evidence thereof.

SECT. 22. The supreme judicial court or a justice thereof, in term or vacation, may by injunction or other suitable process in equity, restrain the construction, alteration, maintenance or use of a building or structure in violation of any ordinance or by-law of a city or town, and may order the removal or abatement thereof as a nuisance; and may in like manner restrain the further progress of the construction, alteration or repair of a building or

structure reported to be unsafe or dangerous, as provided in section sixteen, until the determination of the matter, as provided in section eighteen.

SECT. 23. The belting, shafting, gearing and drums of all factories, when so placed as to be, in the opinion of the inspectors of factories and public buildings, dangerous to persons employed therein while engaged in their ordinary duties, shall be as far as practicable securely guarded. No machinery other than steam engines in a factory shall be cleaned while running, if objected to in writing by one of said inspectors. All factories shall be well ventilated and kept clean.

SECT. 24. Every building now or hereafter used, in whole or in part, as a public building, public or private institution, school-house, church, theatre, public hall, place of assemblage or place of public resort, and every building in which ten or more persons are employed above the second story in a factory, workshop, or mercantile or other establishment, and every hotel, family hotel, apartment house, boarding house, lodging house or tenement house in which ten or more persons lodge or reside above the second story, and every factory, workshop, mercantile or other establishment the owner, lessee or occupant of which is notified in writing by the inspector hereinafter mentioned that the provisions of this act are deemed by him applicable thereto, shall be provided with proper ways of egress, or other means of escape from fire, sufficient for the use of all persons accommodated, assembling, employed, lodging or residing in such building; and such ways of egress and means of escape shall be kept free from obstruction, in good repair and ready for use. Every room above the second story in any such building, in which ten or more persons are employed, shall be provided, if the said inspector shall so direct in writing, with more than one way of egress by stairways on the inside or outside of the building, placed as near as practicable at opposite ends of the room; stairways on the outside of the building shall have suitable railed landings at each story above the first, and shall connect with each story by doors or windows, and such landings, doors and windows shall be kept clear of ice and snow and other obstructions. Women or children shall not be employed in a factory, workshop or mercantile or other establishment, in a room above the second story from which there is only one way of egress, if the said inspector shall so direct in writing. All doors and windows in any building subject to the provisions of this section shall open outwardly, if the said inspector shall so direct in writing. No portable seats shall be allowed in the aisles or passageways of such buildings during any service or entertainment held therein. The

proscenium or curtain opening of all theatres shall have a fire resisting curtain of some incombustible material, and such curtain shall be properly constructed and shall be operated by proper mechanism ; the certificate of the said inspector shall be conclusive evidence of a compliance with such requirements.

SECT. 25. No building designed to be used, in whole or in part, as a public building, public or private institution, school-house, church, theatre, public hall, place of assemblage or place of public resort, and no building more than two stories in height designed to be used above the second story, in whole or in part, as a factory, workshop, or mercantile or other establishment, and having accommodations for ten or more employees above said story, and no building more than two stories in height designed to be used above the second story, in whole or in part, as a hotel, family hotel, apartment house, boarding house, lodging house or tenement house, and having ten or more rooms above said story, shall hereafter be erected until a copy of the plans of such building has been deposited with the inspector of factories and public buildings for the district in which such building is to be located, by the person causing the erection or construction of such building, or by the architect who has drawn such plans, which plans shall include therein the system or method of ventilation provided for such building, together with a copy of such portion of the specifications of such building as such inspector may require, nor shall any such building be so erected without the provision of sufficient ways of egress and other means of escape from fire, properly located and constructed. The certificate of the inspector above named, endorsed with the approval of the chief of the district police force, shall be conclusive evidence of a compliance with the provisions of this act: *provided*, that after the granting of such certificate no change is made in the plans or specifications of such ways of egress and means of escape unless a new certificate is obtained therefor. Such inspector may require that proper fire stops shall be provided in the floors, walls and partitions of such buildings, and may make such further requirements as may be necessary or proper to prevent the spread of fire therein or its communication from any steam-boiler or heating apparatus ; and no pipe for conveying hot air or steam in such building shall be placed nearer than one inch to any woodwork, unless protected to the satisfaction of such inspector by suitable guards or casings of incombustible material, and no wooden flue or air duct for heating or ventilating purposes shall be placed in any such building.

SECT. 26. Any person erecting or constructing a building, or any architect or other person who shall draw plans or specifications, or superintend the erection or construction of a building, in violation of the provisions of this act, shall be punished by a fine of not less than fifty nor more than one thousand dollars, and such erection or construction may be enjoined in a proceeding to be had before the superior or supreme judicial court at the instance of the inspector above named, and upon the filing of a petition for such injunction any justice of the court may issue a temporary injunction or restraining order, as provided in proceedings in equity.

SECT. 27. It shall be the duty of such inspectors of factories and public buildings as may be assigned to such duty by the chief of the district police force to examine, as soon as may be after the passage of this act, and thereafter from time to time, all buildings within his district subject to the provisions of this act. In case any such building conforms, in the judgment of such inspector, to the requirements of this act, he shall issue to the owner, lessee or occupant of such building, or of any portion thereof used as above mentioned in section twenty-four of this act, a certificate to that effect, specifying the number of persons for whom the ways of egress and means of escape from fire are deemed to be sufficient. Such certificate shall be conclusive evidence, as long as it continues in force, of a compliance on the part of the person to whom it is issued with the provisions of this act; but such certificate shall be of no effect in case a greater number of persons than therein specified are accommodated or employed, or assemble, lodge or reside within such building or portion thereof, or in case such building is used for any purposes materially different from those for which it was used at the time of the granting thereof, or in case the internal arrangements of such building are materially altered, or in case any ways of egress or means of escape from fire existing in such building at the time of such granting are stopped up, rendered unavailable or materially changed; and in no case shall such certificate continue in force for more than five years from its date. Such certificate may be revoked by such inspector at any time upon written notice to the person holding the same, or occupying the premises for which it was granted, and shall be so revoked whenever in his opinion any conditions or circumstances have so changed that the existing ways of egress and means of escape are no longer proper and sufficient. A copy of the said certificate shall be kept posted in a conspicuous place upon every floor of such building by the person occupying the premises covered thereby.

SECT. 28. Upon an application being made to an inspector for the granting of a certificate under this act he shall issue to the person making the same an acknowledgment that such certificate has been applied for, and pending the granting or refusal of such certificate such acknowledgment shall have for a period of ninety days the same effect as such certificate, and such acknowledgment may be renewed by such inspector with the same effect for a further period not exceeding ninety days, and may be further renewed by the chief of the district police force, until such time as such certificate shall be granted or refused.

SECT. 29. In case any change is made in any premises for which a certificate has been issued under this act, whether in the use thereof or otherwise, such as terminates the effect of such certificate, as above provided in section twenty-seven, it shall be the duty of the person making the same to give written notice thereof forthwith to the inspector for the district, or to the chief of the district police.

SECT. 30. In case any building, or portion thereof subject to the provisions of this act is found by an inspector to fail to conform thereto, or in case any change is made in such building or portion thereof, such as terminates the effect of a certificate formerly granted therefor as aforesaid, it shall be the duty of such inspector to give notice in writing to the owner, lessee or occupant of such building specifying and describing what additional ways of egress or means of escape from fire are necessary in the opinion of such inspector, in order to conform to the provisions of this act, and to secure the granting of a certificate as aforesaid. Notice to any agent of such owner, lessee or occupant in charge of the premises shall be sufficient notice under this section to such owner, lessee or occupant.

SECT. 31. In case any building subject to the provisions of this act is owned, leased or occupied, jointly or in severalty, by different persons, any one of such persons shall have the right to apply to any part of the outside of such building, and to sustain from any part of the outside wall thereof, any way of egress or means of escape from fire specified and described by an inspector as above provided, notwithstanding the objection of any other such owner, lessee or occupant; and any such way of egress or means of escape may project over the highway.

SECT. 32. When a license is required by law or municipal ordinance, in order to authorize any premises to be used for any purpose mentioned in section twenty-four, no license for such purpose shall be granted until a certificate for such building or portion thereof shall first have been obtained from an inspector as above

provided, and no such license hereafter issued shall continue in force any longer than such certificate remains in force.

SECT. 33. No wooden flue or air duct for heating or ventilating purposes shall hereafter be placed in any building subject to the provisions of section twenty-four of this act, and no pipe for conveying hot air or steam in such building shall be placed or shall remain placed nearer than one inch to any woodwork, unless protected to the satisfaction of the said inspector by suitable guards or casings of incombustible material.

SECT. 34. Every story above the second of a building subject to the provisions of section twenty-four of this act shall be supplied with means of extinguishing fire, consisting either of pails of water or other portable apparatus, or of a hose attached to a suitable water supply and capable of reaching any part of such story; and such means of extinguishing fire shall be kept at all times ready for use and in good condition.

SECT. 35. It shall be the duty of such members of the inspection department of the district police force as may be assigned to such duty by the chief of such force to enforce the provisions of sections twenty-four to thirty-four inclusive of this act, outside of the city of Boston; and for such purpose such inspectors shall have the right of access to all parts of any building subject to the provisions of said sections.

SECT. 36. Cities may by ordinance provide that the provisions of said sections twenty-four to thirty-four inclusive of this act shall apply to any buildings of three or more stories in height within their respective limits.

SECT. 37. It shall be the duty of every person or corporation, being the owner, lessee or occupant of a factory, workshop or manufacturing establishment, or owning or controlling the use of any building or room mentioned in and subject to sections twenty-four to thirty-four inclusive of this act, to cause the provisions thereof to be carried out; and such person or corporation shall be liable to any person injured for all damages caused by a violation of the provisions of this act. No criminal prosecution shall be made for such violation until four weeks after notice in writing by an inspector of factories and public buildings of any changes necessary to be made to comply with and conform to the provisions of said sections twenty-four to thirty-four inclusive, has been sent by mail or delivered to such person or corporation, nor then, if in the meantime such changes have been made in accordance with such notification. Notice to one member of a firm or to the clerk or treasurer of a corporation or to the person in charge of the premises shall be deemed sufficient notice hereunder to all

members of such firm or such corporation owning, leasing or controlling the premises. Such notice may be given to them in person or sent by mail.

SECT. 38. Any person using or occupying a building contrary to the provisions of this act may be enjoined from such use or occupation in a proceeding to be had before the superior court or supreme judicial court at the instance of the inspector, and upon the filing of a petition therefor any justice of the court in which such proceeding is pending may issue a temporary injunction or restraining order, as provided in proceedings in equity.

SECT. 39. Sections twenty-four to thirty-eight inclusive of this act shall not apply to the city of Boston.

SECT. 40. In case a schoolhouse situated in any city has not been provided with a safe and proper way of egress or other means of escape from fire, as required by this act, within six months after the written notice provided for in section thirty hereof, the mayor of such city, for the purpose of carrying out the provisions of this act relative to ways of egress or other means of escape from fire in schoolhouses, may, upon petition of one hundred citizens or taxpayers in said city, authorize the expenditure upon any such schoolhouse of not exceeding fifteen per cent. of the cost thereof, payable from any moneys in the treasury of said city not otherwise appropriated.

SECT. 41. The openings of all hoistways, hatchways, elevators and well holes upon every floor of a factory or mercantile or public building, shall be protected by good and sufficient trapdoors, or self-closing latches and safety catches, or such other safeguards as the inspectors of factories and public buildings direct; and all due diligence shall be used to keep such trapdoors closed at all times, except when in actual use by the occupant of the building having the use and control of the same.

SECT. 42. All elevator cabs or cars, whether used for freight or passengers, shall be provided with some suitable mechanical device, to be approved by the inspectors of factories and public buildings, whereby the cabs or cars will be securely held in event of accident to the shipper rope or hoisting machinery, or from any similar cause.

SECT. 43. If any elevator, whether used for freight or passengers, is, in the judgment of the inspector of factories and public buildings of the district in which such elevator is used, unsafe or dangerous to use, or has not been constructed in the manner required by law, the said inspector shall immediately placard conspicuously upon the entrance to or door of the cab or car of such elevator, a notice of its dangerous condition, and prohibit the use of

such elevator until made safe to the satisfaction of said inspector. No person shall remove such notice or operate such elevator while such notice is placarded as aforesaid without authority from said inspector. This section shall not apply to the city of Boston.

SECT. 44. Every owner, lessee, proprietor or manager of a hotel situated in this Commonwealth, which is not otherwise suitably provided with fire escapes for the protection of human life in case of fire, or of a lodging house containing ten or more rooms above the second story, shall place or cause to be placed a knotted rope or other better appliance for use as a fire escape in every room of said hotel used as a lodging room, except rooms on the ground floor, which knotted rope or better appliance shall be securely fastened at one end of it to a suitable iron hook or eye to be securely screwed into one of the joists or timbers next adjoining the frame of the window, or one of the windows of said room at least five feet from the floor, which rope shall be at all times kept coiled and exposed to the plain view of any occupant of said room; the coil to be fastened in such manner as to be easily and quickly loosened and uncoiled; such rope shall contain knots not more than eighteen inches apart, and a loop on the end at least three inches in length, and shall not be less than one-half inch in diameter and of sufficient length to reach from such window to the ground. Such rope, iron hook or eye and fastenings shall be of sufficient strength to sustain a weight of four hundred pounds, and there shall be plain directions how to use such rope or other better appliance printed and posted within six inches of the hook or eye to which the rope is fastened.

SECT. 45. It shall be the duty of the inspector of buildings of every city or town in the Commonwealth, or if there is no such officer, of the chief engineer of the fire department of every city or town in the Commonwealth, in the month of May of each year to inspect every room of every hotel and lodging house of ten or more rooms above the second story in the city or town in which he is performing the duty of inspector of buildings, or of chief engineer, and to ascertain if the provisions of this act are complied with, and to report the condition of the rope or other better appliance to the chief of the district police.

SECT. 46. No explosive or inflammable compound shall be used in any factory in such place or manner as to obstruct or render hazardous the egress of operatives in case of fire.

SECT. 47. Any member of the inspection department of the district police force when called upon by the mayor and aldermen of any city, except the city of Boston, or by the selectmen of a town, shall inspect any building or other structure or anything at-

tached to or connected therewith in such city or town which has been represented to be unsafe or dangerous to life or limb.

SECT. 48. If it appears to an inspector upon such inspection that the building or other structure, or anything attached to or connected therewith, is unsafe or dangerous to life or limb, in case of fire or otherwise, he shall proceed to cause the same to be removed or to render the same safe and secure, in the manner provided by sections fourteen to twenty-one inclusive, of this act, and may cause proceedings to be instituted under section twenty-two of this act.

SECT. 49. The words "mayor and aldermen," in section fifteen of this act shall be construed to apply to the mayor and aldermen of a city or the selectmen of a town, as the case may be.

SECT. 50. If in any city or town in which such inspection is made there is no city engineer or chief engineer of the fire department, the mayor and aldermen or selectmen, as the case may be, shall designate some other officer or officers, or some suitable persons in place of the officers so named, to act upon the board of survey provided for in section sixteen of this act, and the provisions of said section and of sections seventeen to twenty inclusive, and of section twenty-two of this chapter shall apply to a board thus constituted.

SECT. 51. In every manufacturing establishment where the machinery used is propelled by steam, communication shall be provided between each room where such machinery is placed and the room where the engineer is stationed, by means of speaking tubes, electric bells or appliances that may control the motive power, or such other means as shall be satisfactory to the inspectors of factories: *provided*, that in the opinion of the inspectors such communication is necessary.

SECT. 52. No prosecution for a violation of the provisions of section fifty-one of this act shall be made until four weeks after notice in writing by an inspector has been sent by mail to such person, firm or corporation of any changes necessary to be made to comply with the provisions of said section, nor then, if in the meantime such changes have been made in accordance with such notification.

SECT. 53. No outside or inside doors of any building wherein operatives are employed shall be so locked, bolted or otherwise fastened during the hours of labor as to prevent free egress.

SECT. 54. Any person, firm or corporation, being the owner, lessee or occupant of any such building shall, after receiving five days' notice in writing from one of the inspectors of factories and

public buildings, comply with the provisions of the preceding section.

SECT. 55. The inspectors of factories and public buildings shall enforce the provisions of this act.

SECT. 56. A district police officer detailed to perform the duties required by this act, who fails to perform such duties faithfully, shall be immediately discharged from his office.

SECT. 57. The chief of the district police shall report in print to the governor on or before the first day of January of each year, in relation to factories and public buildings, with such remarks, suggestions and recommendations as he may deem necessary.

SECT. 58. Any person violating the provisions of sections forty-four and forty-five of this act as to fire ropes in hotels shall be punished by a fine of not more than five hundred dollars, or by imprisonment in the county jail or house of correction for not more than six months, or by both such fine and imprisonment.

SECT. 59. Any person, firm or corporation, being the occupant of any manufacturing establishment, or controlling the use of any building or room where machinery propelled by steam is used, violating the provisions of section fifty-one of this act, shall forfeit to the use of the Commonwealth not less than twenty-five dollars, and not more than one hundred dollars.

SECT. 60. Any person or corporation owning, leasing, occupying or controlling any building or room mentioned in section twenty-five of this act, who shall fail to observe the provisions of sections twenty-four to thirty-four of this act, shall be punished by a fine of not less than fifty nor more than one thousand dollars.

SECT. 61. Any person or corporation failing to send notice of any accident as required by section eight of this act, shall be punished by a fine not exceeding twenty dollars.

SECT. 62. Any person or corporation violating any provision of this act, where no other special provision is made, shall be punished by a fine not exceeding one hundred dollars.

SECT. 63. Section eleven of chapter one hundred and three, and sections one, two, three, four, five, six, seven, eight, nine, ten, eleven, twelve, thirteen and fourteen, twenty-one, twenty-two and twenty-four of chapter one hundred and four of the Public Statutes; chapters two hundred and eight and two hundred and sixty-six of the acts of the year eighteen hundred and eighty-two; chapter one hundred and seventy-three of the acts of the year eighteen hundred and eighty-three; chapter fifty-two of the acts of the year eighteen hundred and eighty-four; chapters one hundred and seventy-three and two hundred and sixty of the acts of the year eighteen hundred and eighty-six; chapters one hundred and thir-

teen, three hundred and ninety-nine and four hundred and twenty-six of the acts of the year eighteen hundred and eighty-eight; chapters eighty-three, one hundred and seventy-nine, three hundred and seven and four hundred and thirty-eight of the acts of the year eighteen hundred and ninety; chapter three hundred and two of the acts of the year eighteen hundred and ninety-one; chapters one hundred and eleven, one hundred and ninety-nine and three hundred and eighty-seven of the acts of the year eighteen hundred and ninety-three, and chapters three hundred and thirty-seven and three hundred and forty-one of the acts of the year eighteen hundred and ninety-four, and all acts and parts of acts inconsistent herewith, are hereby repealed.

Chapter 498, Acts of 1894.

AN ACT RELATIVE TO THE ATTENDANCE OF CHILDREN IN THE SCHOOLS.

SECTION 1. Every person having under his control a child between the ages of eight and fourteen years, and in every city and town where opportunity is furnished, in connection with the regular work of the public schools, for gratuitous instruction in the use of tools or in manual training, or for industrial education in any form, a child between the ages of eight and fifteen years, shall annually cause such child to attend some public day school in the city or town in which he resides, and such attendance shall continue for at least thirty weeks of the school year, if the schools are kept open for that length of time, with an allowance of two weeks' time for absences not excused by the superintendent of schools or the school committee. Such period of attendance shall begin within the first month of the fall term of school, and for each five days' absence of any such child thereafter, in excess of the above allowance, before the completion of the required annual attendance of thirty weeks, the person having such child under his control shall, upon the complaint of the school committee or any truant officer, forfeit to the use of the public schools of such city or town a sum not exceeding twenty dollars, but if such child has attended for a like period of time a private day school approved by the school committee of such city or town or if such child has been otherwise instructed for a like period of time in the branches of learning required by law to be taught in the public schools, or has already acquired the branches of learning required by law to be taught in the public schools, or if his physical or mental condition is such as to render such attendance inexpedient or impracticable, such penalties shall not be incurred.

SECT. 2. For the purposes of the preceding section school committees shall approve a private school only when the teaching in all the studies required by law is in the English language, and when they are satisfied that such teaching equals in thoroughness and efficiency the teaching in the public schools in the same locality, and that equal progress is made by the pupils therein, in the studies required by law, with that made during the same time in the public schools; but they shall not refuse to approve a private school on account of the religious teaching therein.

SECT. 3. The truant officers and the school committee of the several cities and towns shall vigilantly inquire into all cases of neglect of the duty prescribed in section one, and ascertain the reasons, if any, therefor; and such truant officers or any of them, shall, when so directed by the school committee, prosecute in the name of the city or town any person liable to the penalty provided for in said section. Police, district and municipal courts, trial justices and judges of the probate court, shall have jurisdiction within their respective counties of the offences described in section one.

SECT. 4. All children within the Commonwealth may attend the public schools in the place in which they have their legal residence, subject to the regulations prescribed by law.

SECT. 5. The school committee shall determine the number and qualifications of the scholars to be admitted to the high school.

SECT. 6. Children living remote from any public school in the town in which they reside may be allowed to attend the public schools in any adjoining town under such regulations and on such terms as the school committee of the said towns agree upon and prescribe; and the school committee of the town in which such children reside shall pay the sum agreed upon out of the appropriations of money raised in said towns for the support of schools.

SECT. 7. Any minor under guardianship, whose father has died, may attend the public schools of the city or town of which his guardian is an inhabitant.

SECT. 8. Children may, with the consent of the school committee first obtained, attend schools in cities and towns other than those in which their parents or guardians reside; but when a child resides in a city or town different from that of the residence of the parent or guardian, for the sole purpose of attending school there, the parent or guardian of such child shall be liable to pay such city or town for tuition, a sum equal to the average expense per scholar for the period during which the child so attends.

SECT. 9. The school committee shall not allow a child who has not been duly vaccinated to be admitted to or connected with the public schools.

SECT. 10. The school committees shall not allow any pupil to attend the public schools while any member of the household to which such pupil belongs is sick of small-pox, diphtheria, or scarlet-fever, or during a period of two weeks after the death, recovery or removal of such sick person; and any pupil coming from such household shall be required to present, to the teacher of the school the pupil desires to attend, a certificate, from the attending physician or board of health, of the facts necessary to entitle him to admission in accordance with the above regulation.

SECT. 11. No person shall be excluded from a public school on account of the race, color, or religious opinion of the applicant or scholar.

SECT. 12. Every member of the school committee under whose direction a child is excluded from a public school, and every teacher of such school from which a child is excluded, shall, on application by the parent or guardian of such child, state in writing the grounds and reason of the exclusion.

SECT. 13. A child unlawfully excluded from a public school may recover damages therefor in an action of tort, to be brought in the name of such child by his guardian or next friend, against the city or town by which such school is supported.

SECT. 14. The plaintiff in such action may, by filing interrogatories for discovery, examine any member of the school committee, or any other officer of the defendant city or town, as if he were a party to the suit.

SECT. 15. Whenever a truant school has been established for any county it shall be the place of confinement, discipline and instruction for all truants within the cities or towns of said county, unless said cities or towns have made other provision therefor; and police, district or municipal courts, trial justices and probate courts, shall have jurisdiction within their respective counties of the offences described in sections nineteen and twenty-one of this act; and may commit truants to such truant school or union truant school as may be established for their respective counties under the provisions of this act.

SECT. 16. If three or more towns in any county so require, the county commissioners shall establish at the expense of the county, at a convenient place therein, other than the jail or house of correction, a truant school for the confinement, discipline and instruction of minor children convicted under the provisions of sections nineteen and twenty-one of this act and all acts in amend-

ment thereof and in addition thereto; and shall make suitable provisions for the government and control, and for the appointment of proper teachers and officers thereof. But the county commissioners of two, three or four contiguous counties may, and if three or more cities or towns in each of such counties require, shall, at the expense of said counties, establish for said counties at a convenient place therein a union truant school, to be organized and controlled by the chairman of the county commissioners of said counties, in the manner provided for the government and control of county truant schools by county commissioners; and any county so uniting with another county or counties in the support of a union truant school shall not be required to support a truant school of its own.

SECT. 17. A town may assign any such truant school, or, with the assent of the state board of lunacy and charity, the state primary school, as the place of confinement, discipline and instruction of children so convicted; and shall pay for their support therein such sum, not exceeding two dollars a week for each child, as the county commissioners or the trustees of the state primary and reform schools respectively shall determine.

SECT. 18. Children so committed may, upon satisfactory proof of amendment or other sufficient cause, be discharged from the state primary school by said state board, and from other places of confinement by the judge or justice who committed them.

SECT. 19. Each town shall make all needful provisions and arrangements concerning habitual truants, and children between seven and fifteen years of age who may be found wandering about in the streets or public places therein, having no lawful occupation or business, not attending school and growing up in ignorance, and such children as persistently violate the reasonable rules and regulations of the public schools; and shall make such by-laws as shall be most conducive to the welfare of such children, and to the good order of such town; and shall provide suitable places for the confinement, discipline and instruction of such children.

SECT. 20. The school committee of each town shall appoint and fix the compensation of two or more suitable persons, to be designated truant officers, who shall, under the direction of said committee, inquire into all cases arising under such by-laws, and shall alone be authorized, in case of violation thereof, to make complaint and carry into execution the judgment thereon; and who may serve all legal processes issued by the courts in pursuance of such by-laws, or of sections fifteen to twenty-four inclusive of this act, but who shall not be entitled to receive any fees for such service.

SECT. 21. Any minor convicted under a by-law made under section nineteen of this act of being an habitual truant, or of wandering about in the streets and public places of a city or town, having no lawful employment or business, not attending school and growing up in ignorance, or of persistently violating the rules and regulations of the public schools, shall be committed to any institution of instruction or suitable situation provided for the purpose, under the authority of said section or by-law, for a term not exceeding two years.

SECT. 22. Whoever, after notice from a truant officer to refrain from so doing, offers a reward for services to any child, in consequence of which reward such child is induced unlawfully to absent himself from school, or whoever, after notice as aforesaid, in any manner entices or induces any child to truancy, or whoever knowingly employs or harbors any truant or unlawful absentee from school, shall forfeit not less than twenty nor more than fifty dollars to the use of the public schools of the city or town in which said offence occurs, to be recovered by complaint.

SECT. 23. Truant officers in cities and towns are hereby authorized, under the direction of the school committees of their respective cities and towns, to apprehend and to take to school without warrant all truants found wandering about in the streets or public places.

SECT. 24. The school committee of any city or town in any county or counties where a union or county truant school has been or shall hereafter be established may, with the approval of the court making the original commitment and with the consent of the county commissioners of the county in which such truant school is established, cause all persons confined in the truant or farm school in such city or town, when such farm school is a truant school, to be removed to such union or county truant school to complete the term for which they were originally committed, subject however to the provisions of law as to release before the expiration of such term.

SECT. 25. The school committees of the several towns shall annually report to the secretary of the board of education whether their respective towns have made the provisions required by law relating to truants and absentees from school.

SECT. 26. Each town may, and every town containing five thousand or more inhabitants shall, make all needful provisions and arrangements concerning children under sixteen years of age who by reason of orphanage or of neglect, crime, drunkenness or other vice of parents are suffered to grow up without salutary parental control and education, or in circumstances exposing them

to lead idle and dissolute lives ; and may also make all such by-laws respecting such children as shall be deemed most conducive to their welfare and to the good order of the town.

SECT. 27. The selectmen of towns containing five thousand or more inhabitants, and of other towns accepting the provisions of sections twenty-five to twenty-eight, inclusive, of this act, shall appoint suitable persons to make complaints of violations of by-laws adopted under the preceding section ; and the person so appointed, and the officers and duly appointed agents of the Massachusetts Society for the Prevention of Cruelty to Children, shall alone be authorized to make up such complaints and to carry into execution the judgments thereon ; and the persons so appointed shall alone be authorized to make complaints under the following section.

SECT. 28. A judge of the superior court, or of a police, district or municipal court, or a trial justice, upon proof that any child under sixteen years of age, by reason of orphanage or of the neglect, crime, drunkenness or other vice of parents, is growing up without salutary parental control and education, or in circumstances exposing such child to lead an idle and dissolute life, may order such child to such institution of instruction or other place assigned for the purpose as may be provided under section nineteen of this act by the town in which such child resides, to be there kept, educated and cared for for a term not extending beyond the age of twenty-one years for boys, or eighteen years for girls.

SECT. 29. When the parents of a child committed under the preceding section have reformed and are leading orderly and industrious lives, and are in a condition to exercise salutary parental control over such child, and to provide him with proper education and employment, or when, said parents being dead, any person offers to make such suitable provision for the care, nurture and education of such child as will conduce to the public welfare, and will give security for the performance of the same satisfactory to the directors, trustees, overseers, or other board having charge of the institution to which such child is committed, they may discharge him to the parents or to such other person.

SECT. 30. Chapter forty-seven, and sections eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty and twenty-one of chapter forty-eight of the Public Statutes ; chapter two hundred and forty-five of the acts of the year eighteen hundred and eighty-three ; chapters seventy-one and one hundred and ninety-eight of the acts of the year eighteen hundred and eighty-five ; chapters two hundred and forty-nine,

four hundred and twenty-two and four hundred and sixty-four of the acts of the year eighteen hundred and eighty-nine; chapters three hundred and nine and three hundred and eighty-four of the acts of the year eighteen hundred and ninety; chapters three hundred and sixty one and four hundred and twenty-six of the acts of the year eighteen hundred and ninety-one, and chapter sixty-two of the acts of the year eighteen hundred and ninety-two; and chapter one hundred and eighty-eight of the acts of the year eighteen hundred and ninety-four, and all acts and parts of acts inconsistent herewith, are hereby repealed.

Chapter 508, Acts of 1894.

AN ACT REGULATING THE EMPLOYMENT OF LABOR.

SECTION 1. Any person or corporation engaged in manufacturing, which requires from persons in his or its employ, under penalty of forfeiture of a part of the wages earned by them, a notice of intention to leave such employ, shall be liable to the payment of a like forfeiture if he or it discharges without similar notice a person in such employ except for incapacity or misconduct, unless in case of a general suspension of labor in his or its shop or factory.

SECT. 2. No person shall, by intimidation or force, prevent or seek to prevent a person from entering into or continuing in the employment of any person or corporation.

SECT. 3. No person or corporation, or agent or officer on behalf of any person or corporation, shall coerce or compel any person or persons into an agreement, either written or verbal, not to join or become a member of any labor organization, as a condition of such person or persons securing employment or continuing in the employment of any such person or corporation.

SECT. 4. No owner, superintendent or overseer in any manufacturing, mechanical or mercantile establishment shall employ or permit to be employed therein any person entitled to vote at a state election, except such establishment as may lawfully conduct its business on Sunday, during the period of two hours after the opening of the polls in the voting precinct or town in which he is entitled to vote, if he shall make application for leave of absence during such period.

SECT. 5. No person shall, by threatening to discharge a person from his employment, or threatening to reduce the wages of a person, or by promising to give employment at higher wages to a person, attempt to influence a qualified voter to give or to withhold his vote at an election.

SECT. 6. No person or corporation shall, by a special contract with persons in his or its employ, exempt himself or itself from any liability which he or it might be under to such persons for injuries suffered by them in their employment and which result from the employer's own negligence or from the negligence of other persons in his or its employ.

SECT. 7. Nine hours shall constitute a day's work for all laborers, workmen and mechanics now employed or who may be employed by or on behalf of the Commonwealth or any county, city or town therein.

SECT. 8. All contracts hereafter made by or on behalf of the Commonwealth, requiring the employment of manual labor, shall provide that persons employed in the performance of such labor under such contract shall not be required to work more than nine hours in each day, and that said nine hours shall constitute a day's work.

SECT. 9. A day's work for all conductors, drivers and motormen now employed or who may hereafter be employed by or on behalf of any street railway company in any city or town shall not exceed ten hours' work to be performed within twelve consecutive hours. No officer or agent of any street railway company shall exact from any of its said employees more than the said ten hours' work for a day's labor: *provided, however*, that on all legal holidays, on days when the corporation is required to provide for more than the ordinary travel, and in case of accident or unavoidable delay, extra labor may be performed for extra compensation, and that nothing herein contained shall affect existing written contracts.

SECT. 10. No minor under eighteen years of age shall be employed in laboring in any mercantile establishment more than sixty hours in any one week.

SECT. 11. No minor under eighteen years of age, and no woman shall be employed in laboring in any manufacturing or mechanical establishment more than ten hours in any one day, except as hereinafter provided in this section, or when a different apportionment of the hours of labor is made for the sole purpose of making a shorter day's work for one day of the week; and in no case shall the hours of labor exceed fifty-eight in a week. Every employer shall post in a conspicuous place in every room where such persons are employed, a printed notice stating the number of hours' work required of them on each day of the week, the hours of commencing and stopping such work, and the hours when the time or times allowed for dinner or for other meals begins and ends, or in the case of establishments exempted from

the provisions of this act, the time, if any, allowed for dinner and for other meals; the printed form of such notice shall be furnished by the chief of the district police, and shall be approved by the attorney-general; and the employment of any such person for a longer time in any day than that so stated shall be deemed a violation of this section, unless it appears that such employment is to make up for time lost on some previous day of the same week, in consequence of the stopping of machinery upon which such person was employed or dependent for employment; but no stopping of machinery for a shorter continuous time than thirty minutes shall authorize such overtime employment, nor shall any such stopping authorize such employment unless, or until, a written report of the day and hour of its occurrence, with its duration, is sent to the chief of the district police, or to the inspector of factories for the district. If any minor under eighteen years of age, or any woman, shall without the orders, consent or knowledge of the employer or of any superintendent, overseer or other agent of the employer, labor in a manufacturing or mechanical establishment during any part of any time allowed for dinner or for other meals in such establishment, according to the notice above mentioned, and if a copy of such notice was posted in a conspicuous place in the room where such labor took place, together with a rule of the establishment forbidding such minor or woman to labor during such time, then neither the employer nor any superintendent, overseer or other agent of the employer shall be held responsible for such employment.

SECT. 12. No person or corporation, or officer or agent thereof, shall employ any woman or minor in any capacity for the purpose of manufacturing, between the hours of ten o'clock at night and six o'clock in the morning.

SECT. 13. No child under thirteen years of age shall be employed at any time in any factory, workshop or mercantile establishment. No such child shall be employed in any indoor work performed for wages or other compensation, to whomsoever payable, during the hours when the public schools of the city or town in which he resides are in session, or shall be employed in any manner during such hours unless during the year next preceding such employment he has attended school for at least thirty weeks as required by law.

SECT. 14. No child under fourteen years of age shall be employed in any manner before the hour of six o'clock in the morning or after the hour of seven o'clock in the evening. No such child shall be employed in any factory, workshop or mercantile establishment, except during the vacation of the public schools in

the city or town in which he resides, unless the person or corporation employing him procures and keeps on file a certificate and employment ticket for such child, as prescribed by section seventeen of this act; and no such child shall be employed in any indoor work performed for wages or other compensation, to whomsoever payable, during the hours when the public schools of such city or town are in session, unless as aforesaid, or shall be employed in any manner during such hours unless during the year next preceding such employment he attended school for at least thirty weeks as required by law: *provided*, the public schools are in session that number of weeks, which time may be divided, so far as the arrangements of school terms will allow, into three terms of ten consecutive weeks each; and such employment shall not continue in any case beyond the time when such certificate expires.

SECT. 15. The chief of the district police, with the approval of the governor, shall have authority to designate any kind or kinds of employment in factories, workshops or mercantile establishments as injurious to the health of children under fourteen years of age employed therein; and after one week's written notice from the said chief to the employer, or his superintendent, overseer or other agent, of such designation, no such child shall be employed in any such kind or kinds of employment in any factory, workshop or mercantile establishment.

SECT. 16. No child under sixteen years of age shall be employed in any factory, workshop or mercantile establishment unless the person or corporation employing him procures and keeps on file the certificate required in the case of such child by the following section, and also keeps on file a full and complete list of such children employed therein.

SECT. 17. The certificate of a child under fourteen years of age shall not be signed until he presents to the person authorized to sign the same an employment ticket as hereinafter prescribed, duly filled out and signed. The certificate and the employment ticket shall be separately printed, and shall be in the following forms respectively, and the blanks therein shall be filled out and signed as indicated by the words in brackets: —

EMPLOYMENT TICKET, LAWS OF 1894.

When [name of child], height [feet and inches], complexion [fair or dark], hair [color], presents a certificate duly signed, I intend to employ [him or her.]

[Signature of intending employer or agent.]

[Town or city and date.]

AGE AND SCHOOLING CERTIFICATE, LAWS OF 1894.

This certifies that I am the [father, mother or guardian] of [name of child], and that [he or she] was born at [name of town or city], in the county of [name of county, if known], and state [or country] of [name], on the [day and year of birth], and is now [number of years and months] old.

[Signature of father, mother or guardian.]

[Town or city and date.]

Then personally appeared before me the above named [name of person signing] and made oath that the foregoing certificate by [him or her] signed is true to the best of [his or her] knowledge and belief. I hereby approve the foregoing certificate of [name of child] height [feet and inches], complexion [fair or dark], hair [color], having no sufficient reason to doubt that [he or she] is of the age therein certified.

[Signature of person authorized to sign, with official character or authority.]

[Town or city and date.]

In case the age of the child is under fourteen the certificate shall continue as follows, after the word "certified": —

And I hereby certify that [he or she] can read at sight and can write legibly simple sentences in the English language, and that [he or she] has attended the [name] public [or private] day school according to law for [number of weeks, which must be at least thirty] weeks during the year next preceding this date, and that the last thirty weeks of such attendance began [date]. This certificate expires [date one year later than the above date].

[Signature of the person authorized to sign, with official character or authority.]

If the attendance has been at a private school, there must be added also the signature of a teacher of such school, followed by words certifying to school attendance. [Town or city and date.]

In case a child cannot read and write, as above stated, the following may be substituted for the clause beginning "and I hereby certify" through to and including the word "language": "and I hereby certify that [he or she] is a regular attendant at the [name] public evening school"; but in such case the certificate shall only continue in force for as long a time as attendance of such child at such evening school is endorsed weekly during the session of such evening school, not exceeding the length of the public school year minus twenty weeks, in place of attendance at day school as now provided by law, with a statement from a teacher thereof certifying that his attendance continues regular. If attendance has been at a half time school, forty weeks of such attendance must be certified to instead of thirty. The foregoing certificate must be filled

out in duplicate and one copy thereof shall be kept on file by the school committee. Any explanatory matter may be printed with such certificate in the discretion of the school committee or superintendent of schools.

SECT. 18. The following words shall appear on all age and schooling certificates after the name of the town or city and date :— This certificate belongs to the person in whose behalf it is drawn, and it shall be surrendered to [him or her] whenever [he or she] leaves the service of the corporation or employer holding the same.

SECT. 19. In cities and towns having a superintendent of schools, said certificate shall be signed only by such superintendent or by some person authorized by him in writing ; in other cities and towns it shall be signed by some member or members of the school committee authorized by vote thereof : *provided, however,* that no member of a school committee, or other person authorized as aforesaid, shall have authority to sign such certificate for any child then in or about to enter his own employment, or the employment of a firm of which he is a member, or of a corporation of which he is an officer or employee. The person signing the certificate shall have authority to administer the oath provided for therein, but no fee shall be charged therefor ; such oath may also be administered by any justice of the peace.

SECT. 20. The certificate as to the birthplace and age of the child shall be signed by his father, if living and a resident of the same city or town ; if not, by his mother ; or if his mother is not living, or if living is not a resident of the same city or town, by his guardian ; if a child has no father, mother or guardian living in the same city or town his own signature to the certificate may be accepted by the person authorized to approve the same.

SECT. 21. No child who has been continuously a resident of a city or town since reaching the age of thirteen years shall be entitled to receive a certificate that he has reached the age of fourteen unless or until he has attended school according to law in such city or town for at least thirty weeks since reaching the age of thirteen, unless such child can read at sight and write legibly simple sentences in the English language, or is exempt by law from such attendance. Before signing the approval of the certificate of age of a child the person authorized to sign the same shall refer to the last school census taken under the provisions of section three of chapter forty-six of the Public Statutes, and if the name of such child is found therein and there is a material difference between his age as given therein and as given by his parent or guardian in the certificate, allowing for lapse of time, or if such child plainly appears to be of materially less age than that so given, then such

certificate shall not be signed until a copy of the certificate of birth or of baptism of such child, or a copy of the register of its birth with a town or city clerk, has been produced, or other satisfactory evidence furnished that such child is of the age stated in the certificate.

SECT. 22. Any corporation or employer holding any age or schooling certificate shall deliver the same to the person in whose behalf it has been drawn, when such person shall leave the employ of such corporation or employer.

SECT. 23. The truant officers may, when so authorized and required by a vote of the school committee, visit the factories, workshops and mercantile establishments in their several cities and towns and ascertain whether any children under the age of fourteen are employed therein contrary to the provisions of this act, and they shall report any cases of such illegal employment to the school committee and to the chief of the district police or the inspector of factories for the district. The inspectors of factories and the truant officers when authorized as aforesaid, may demand the names of all children under sixteen years of age employed in such factories, workshops and mercantile establishments, and may require that the certificates and lists of such children provided for in this act shall be produced for their inspection. Such truant officers shall inquire into the employment, otherwise than in such factories, workshops and mercantile establishments, of children under the age of fourteen years, during the hours when the public schools are in session, and may require that the aforesaid certificates of all children under sixteen shall be produced for their inspection, and any such officer or any inspector of factories may bring a prosecution against a person or corporation employing any such child, otherwise than as aforesaid, during the hours when the public schools are in session, contrary to the provisions of this act, if such employment still continues for one week after written notice from such officer or inspector that such prosecution will be brought, or if more than one such written notice, whether relating to the same child or to any other child, has been given to such employer by a truant officer or inspector of factories at any time within one year.

SECT. 24. No person shall employ or permit to be employed a minor under fourteen years of age, or over, who cannot read and write in the English language, and who resides in a city or town in this Commonwealth wherein public evening schools are maintained, and is not a regular attendant of a day school, or has not attained an attendance of seventy per cent. or more of the yearly session of the evening school.

SECT. 25. Whenever it appears that the labor of any minor who would be debarred from employment under section twenty-four of this act is necessary for the support of the family to which said minor belongs, or for his own support, the school committee of said city or town may, in the exercise of their discretion, issue a permit authorizing the employment of such minor within such time or times as they may fix : *provided*, such minor makes application to said school committee, or some person duly authorized by said committee, for such a permit before the opening of the yearly session of the evening school of said city or town ; and the provisions of said section twenty-four shall not apply to such minor so long as said permit is in force ; *provided, also*, that if such minor has been prevented by sickness or injury from attending said evening school, as provided in said section, the school committee shall issue to such minor the permit provided for in this section, upon the presentation of the following blank properly filled and signed : —

To the School Committee of the

I hereby certify that I have attended
 from to ; that said was sick
 or injured with ; and that said
 was not in suitable physical condition to attend evening school for the
 term of days

(Signed)

(Dated)

The school committee of every city and town in this Commonwealth wherein public evening schools are maintained shall furnish blanks in the above form upon application.

SECT. 26. All children, young persons and women, five or more in number, employed in the same factory, shall be allowed their meal time or meal times at the same hour, except that any children, young persons and women who begin work in such factory at a later hour in the morning than the other children, young persons or women employed therein, may be allowed their meal time or meal times at a different time ; but no such children, young persons or women shall be employed during the regular meal hour in tending the machines or doing the work of any other children, young persons or women in addition to their own.

SECT. 27. No child, young person or woman shall be employed in a factory or workshop in which five or more children, young persons or women are employed, for more than six hours at one time, without an interval of at least half an hour for a meal, but a child, young person or woman may be so employed for not more than six and one-half hours at one time if such employment ends at an hour

not later than one o'clock in the afternoon, and if such child, young person or woman is then dismissed from the factory or workshop for the remainder of the day, or for not more than seven and one-half hours at one time, if such child, young person or woman is allowed sufficient opportunity for eating a lunch during the continuance of such employment, and if such employment ends at an hour not later than two o'clock in the afternoon, and such child, young person or woman is then dismissed from the factory or workshop for the remainder of the day.

SECT. 28. Sections twenty-six and twenty-seven of this act shall not apply to iron works, glass works, paper mills, letter press establishments, print works, bleaching works or dyeing works ; and the chief of the district police, where it is proved to his satisfaction that in any other class of factories or workshops it is necessary, by reason of the continuous nature of the processes or of special circumstances affecting such class, to exempt such class from the provisions of this act, and that such exemption can be made without injury to the health of the children, young persons or women affected thereby, may, with the approval of the governor, issue a certificate granting such exemption, public notice whereof shall be given in the manner directed by said chief, without expense to the Commonwealth.

SECT. 29. If any minor under the age of eighteen years or any woman shall, without the orders, consent or knowledge of the employer, or of any superintendent, overseer or other agent of the employer, labor in a factory or workshop during any part of any time allowed for dinner or for other meals in such factory or workshop, according to the notice required by law, and if a copy of such notice was posted in a conspicuous place in the room where such labor took place, together with a rule of the establishment forbidding such minor or woman to labor during such time, then neither the employer, nor any superintendent, overseer or other agent of the employer, shall be held responsible for such labor.

SECT. 30. Every person or corporation employing females in any manufacturing, mechanical or mercantile establishment in this Commonwealth shall provide suitable seats for the use of the females so employed, and shall permit the use of such seats by them when they are not necessarily engaged in the active duties for which they are employed.

SECT. 31. No child under the age of fourteen years shall be permitted to clean any part of the machinery in a factory when such part is in motion by the aid of steam, water or other mechanical power, or to clean any part of such machinery which is in dangerous proximity to such moving part.

SECT. 32. No person, firm or corporation shall employ or permit any person under fifteen years of age to have the care, custody, management or operation of any elevator, or shall employ or permit any person under eighteen years of age to have the care, custody, management or operation of any elevator running at a speed of over two hundred feet a minute.

SECT. 33. Every factory in which five or more persons are employed, and every factory, workshop, mercantile or other establishment or office in which two or more children, young persons or women are employed, shall be kept in a cleanly state and free from effluvia arising from any drain, privy or other nuisance, and shall be provided, within reasonable access, with a sufficient number of proper water closets, earth closets or privies for the reasonable use of the persons employed therein; and wherever two or more male persons and two or more female persons are employed as aforesaid together, a sufficient number of separate and distinct water closets, earth closets or privies shall be provided for the use of each sex, and plainly so designated; and no person shall be allowed to use any such closet or privy assigned to persons of the other sex.

SECT. 34. It shall be the duty of every owner, lessee or occupant of any premises so used as to come within the provisions of section thirty-three of this act, to carry out the same and to make the changes necessary therefor. In case such changes are made upon the order of an inspector of factories by the occupant or lessee of the premises, he may at any time within thirty days of the completion thereof bring an action before any trial justice, police, municipal or district court against any other person having an interest in such premises, and may recover such proportion of the expense of making such changes as the court adjudges should justly and equitably be borne by such defendant.

SECT. 35. When it appears to an inspector of factories that any act, neglect or fault in relation to any drain, water closet, earth closet, privy, ashpit, water supply, nuisance or other matter in a factory or in a workshop included under section thirty-three of this act, is punishable or remediable under chapter eighty of the Public Statutes, or under any law of the Commonwealth relating to the preservation of the public health, but not under this act, such inspector shall give notice in writing of such act, neglect or default, to the board of health of the city or town within which such factory or workshop is situated; and it shall thereupon be the duty of such board of health to make inquiry into the subject of the notice and to enforce the laws relative thereto.

SECT. 36. No criminal prosecution shall be instituted against any person for a violation of the provisions of sections thirty-three

and thirty-four of this act until four weeks after notice in writing by an inspector of factories of the changes necessary to be made to comply with the provisions of said sections has been sent by mail or delivered to such person, nor then, if in the mean time such changes have been made in accordance with such notification. A notice shall be deemed a sufficient notice under this section to all members of a firm or to a corporation when given to one member of such firm, or to the clerk, cashier, secretary, agent or any other officer having charge of the business of such corporation, or to its attorney; and in case of a foreign corporation notice to the officer having the charge of such factory or workshop shall be sufficient; and such officer shall be personally liable for the amount of any fine in case a judgment against the corporation is returned unsatisfied.

SECT. 37. Every factory in which five or more persons are employed, and every workshop in which five or more children, young persons or women are employed shall, while work is carried on therein, be so ventilated that the air shall not become so exhausted or impure as to be injurious to the health of the persons employed therein, and shall also be so ventilated as to render harmless so far as is practicable, all gases, vapors, dust or other impurities generated in the course of the manufacturing process or handicraft carried on therein, which may be injurious to health.

SECT. 38. If in a workshop or factory included in section thirty-seven of this act any process is carried on by which dust is generated and inhaled to an injurious extent by the persons employed therein, and it appears to an inspector of factories that such inhalation could be to a great extent prevented by the use of a fan or by other mechanical means, and that the same can be provided without incurring unreasonable expense, such inspector may direct a fan or other mechanical means of a proper construction to be provided within a reasonable time, and such fan or other mechanical means shall be so provided, maintained and used.

SECT. 39. No criminal prosecution shall be instituted for any violation of the provisions of sections thirty-seven and thirty-eight of this act unless such employer shall have neglected for four weeks to make such changes in his factory or workshop as shall have been ordered by an inspector of factories, by a notice in writing delivered to or received by such employer.

SECT. 40. Every public building and every schoolhouse shall be kept in a cleanly state and free from effluvia arising from any drain, privy or other nuisance, and shall be provided with a sufficient number of proper water closets, earth closets or privies for the reasonable use of the persons admitted to such public building or of the pupils attending such schoolhouse.

SECT. 41. Every public building and every schoolhouse shall be ventilated in such a proper manner that the air shall not become so exhausted as to be injurious to the health of the persons present therein. The provisions of this section and the preceding section shall be enforced by the inspection department of the district police.

SECT. 42. Whenever it appears to an inspector of factories and public buildings that further or different sanitary provisions or means of ventilation are required in any public building or schoolhouse, in order to conform to the requirements of this act, and that the same can be provided without incurring unreasonable expense, such inspector may issue a written order to the proper person or authority, directing such sanitary provisions or means of ventilation to be provided, and they shall thereupon be provided, in accordance with such order, by the public authority, corporation or person having charge of, owning or leasing such public building or schoolhouse.

SECT. 43. Any school committee, public officer, corporation or person shall within four weeks after the receipt of an order from an inspector, as provided in the preceding section, provide the sanitary provisions or means of ventilation required thereby.

SECT. 44. Whenever any house, room or place used as a dwelling is also used for the purpose of carrying on any process of making, altering, repairing or finishing for sale any ready-made coats, vests, trousers, overcoats or any wearing apparel of any description whatsoever, intended for sale, it shall, within the meaning of this act, be deemed a workshop; and every person so occupying or having control of any such workshop shall, within fourteen days from the time of beginning work in such workshop, notify the chief of the district police or the special inspector appointed for that purpose, of the location of such workshop, the nature of the work there carried on, and the number of persons therein employed; the exercise of such work in a private house or private room however, by the family dwelling therein, or by any of them, shall not of itself constitute such house or room a workshop within the meaning of this act: *provided*, that such family or any member of such family engaged in the process of making, altering, repairing or finishing for sale any such coats, vests, trousers, overcoats, or any wearing apparel of any description whatsoever, intended for sale, in a private house or private room used as a dwelling as aforesaid shall, before beginning such work, procure a license approved by the chief of the district police, upon the recommendation of the inspectors especially appointed for the enforcement of the provisions of sections forty-four, forty-five,

forty-six, forty-seven and forty-eight of this act; and no person, contractor, firm or corporation shall give to any person not holding said license any such garments or articles of wearing apparel, intended for sale, to be made in any private house or room as aforesaid; and every such workshop and every such private house or private room shall be kept in a cleanly state, and shall be subject to the provisions of this section; and each of said garments made, altered, repaired or finished for sale in any of such workshops, private houses or rooms shall be subject to the inspection and examination of the inspectors of the district police, for the purpose of ascertaining whether said garments or any of them, or any part or parts thereof, are in cleanly condition and free from vermin, and every matter of an infectious or contagious nature.

SECT. 45. If said inspector finds evidence of infectious disease present in any workshop, or in goods manufactured or in the process of manufacture therein, he shall report the same to the chief of the district police, who shall then notify the state board of health to examine said workshop and the materials used therein; and if said board shall find said workshop in an unhealthy condition, or the clothing and materials used therein unfit for use, said board shall issue such order or orders as the public safety may require.

SECT. 46. Whenever it is reported to said inspector or to the chief of the district police, or to the state board of health or to either of them, that ready-made coats, vests, trousers, overcoats or other garments are being shipped to this Commonwealth, having previously been manufactured in whole or in part under unhealthy conditions, said inspector shall examine said goods and the condition of their manufacture, and if upon such examination said goods or any of them are found to contain vermin or to have been made in improper places or under unhealthy conditions, he shall make report thereof to the state board of health, which board shall thereupon make such order or orders as the public safety may require.

SECT. 47. Whoever knowingly sells or exposes for sale any ready-made coats, vests, trousers or overcoats which have been made in a tenement house used as a workshop, as specified in section forty-four of this act, shall have affixed to each of said garments a tag or label not less than two inches in length and one inch in width, upon which shall be legibly printed or written the words "tenement made" and the name of the state and the town or city where said garment or garments were made.

SECT. 48. No person shall sell or expose for sale any of said garments without a tag or label as aforesaid affixed thereto, nor sell or expose for sale any of said garments with a false or fraud-

ulent tag or label, nor wilfully remove, alter or destroy any such tag or label upon any of said garments when exposed for sale.

SECT. 49. No person shall employ or exhibit or sell, apprentice or give away for the purpose of employing or exhibiting, a child under fifteen years of age, in dancing, playing on musical instruments, singing, walking on a wire or rope, or riding or performing as a gymnast, contortionist or acrobat, in any circus or theatrical exhibition, or in any public place whatsoever, or cause, procure or encourage any child to engage therein: *provided*, that nothing in this section shall be construed to prevent the education of children in vocal and instrumental music, or their employment as musicians in any church, chapel or school, or school exhibition, or to prevent their taking part in any concert or musical exhibition on the special written permission of the mayor and aldermen of a city or of the selectmen of a town.

SECT. 50. No license shall be granted for a theatrical exhibition or public show in which children under fifteen years of age are employed as acrobats, contortionists, or in any feats of gymnastics or equestrianism, or in which such children belonging to the public schools are employed or allowed to take part as performers on the stage in any capacity, or where in the opinion of the board authorized to grant licenses such children are employed in such a manner as to corrupt their morals or impair their physical health; but nothing herein contained shall prevent the giving of special permission as provided by the preceding section.

SECT. 51. Every manufacturing, mining or quarrying, mercantile, railroad, street railway, telegraph and telephone corporation, every incorporated express company and water company shall pay weekly each employee engaged in its business the wages earned by such employee to within six days of the date of said payment; and every city shall so pay every employee engaged in its business, unless such employee shall request in writing to be paid in some different manner; and every municipal corporation not a city and every county shall so pay every employee in its business if so required by him; but if at any time of payment any employee shall be absent from his regular place of labor he shall be paid thereafter on demand. The provisions of this section shall not apply to any employee of a co-operative corporation or association who is a stockholder therein, unless such employee shall request such corporation to pay him weekly. The railroad commissioners after a hearing, may exempt any railroad corporation from paying weekly any of its employees who, in the opinion of the commissioners, prefer less frequent payments, and when the interests of the public and such employees will not suffer thereby.

SECT. 52. The chief of the district police or any inspector of factories and public buildings may bring a complaint against any corporation which neglects to comply with the provisions of the preceding section. Complaints for such violations shall be made within thirty days from the date thereof. On the trial of such complaint such corporation shall not be allowed to set up any defence for a failure to pay weekly any employee engaged in its business the wages earned by such employee to within six days of the date when such payment should have been made, other than the attachment of such wages by the trustee process, or a valid assignment thereof, or a valid set-off against the same, or the absence of the employee from his regular place of labor at the time of payment, or an actual tender to such employee at the time of payment of the wages so earned by him. The corporation shall not be allowed to set up as a defence any payment of wages after the bringing of the complaint. No assignment of future wages, payable weekly under the provisions of this act, shall be valid if made to the corporation from whom such wages are to become due, or to any person on behalf of such corporation, or if made or procured to be made to any person for the purpose of relieving such corporation from the obligation to pay weekly under the provisions of this act.

SECT. 53. When a corporation against which a complaint is made under the preceding section fails to appear after being duly served with process, its default shall be recorded, the allegations in the complaint taken to be true, and judgment shall be rendered accordingly.

SECT. 54. When judgment is rendered upon any such complaint against a corporation the court may issue a warrant of distress to compel the payment of the penalty prescribed by law, together with costs and interest.

SECT. 55. The system of grading their work now or at any time hereafter used by manufacturers shall in no way affect or lessen the wages of a weaver, except for imperfections in his own work; and in no case shall the wages of those engaged in weaving be affected by fines or otherwise, unless the imperfections complained of are first exhibited and pointed out to the person or persons whose wages are to be affected; and no fine or fines shall be imposed upon any person for imperfect weaving, unless the provisions of this section are first complied with and the amount of the fines are agreed upon by both parties.

SECT. 56. The following form of complaint may be used in prosecutions under section eleven of this act, and if substantially followed shall be deemed sufficient, fully and plainly, substantially

and formally, to describe the offences therein set forth; but this section shall not be construed to prohibit the use of any other suitable form.

COMMONWEALTH OF MASSACHUSETTS.

M , ss. To A B, Esquire, a trial justice within and for the county of M , C D of B , in said county of M , on behalf of the Commonwealth of Massachusetts, on oath complains that the is a corporation established under the laws, and having its usual place of business at B , in said county of M , and that said corporation, to wit, the said , on the day of , in the year 189 , at B , aforesaid, in the county aforesaid, had and was carrying on a manufacturing establishment, to wit, a mill for the manufacturing of , and then and there employed in laboring in its manufacturing establishment, to wit, in its said mill, and that said corporation, to wit, the said , had before the said day of posted and then still had and continued to have posted in a conspicuous place in its said manufacturing establishment, to wit, its said mill, in a certain room in said manufacturing establishment, to wit, in said mill, in which said were then and there employed in laboring by said corporation, to wit, said , and in which a certain , whose name is , was then and there employed in laboring by said corporation, to wit, said , a printed notice stating the number of hours of work required of such by said corporation, to wit, said , on each day of the week, to wit, a printed notice that such were required to work in laboring, and that work in laboring was required of such then so employed in laboring in said room hours and no more in each of the first five working days of each week and hours and no more on Saturday of each week, which said notice was of the tenor following, that is to say [here insert an exact copy of said notice] and that said corporation, to wit, the said , on the said day of , the same being one of the first five working days in the week, to wit, , did then and there employ in laboring in its manufacturing establishment, to wit, said mill, and in the room in said mill in which the said notice was then and there posted as aforesaid, the said for a longer time than hours, to wit, for hours and minutes, the said period of being the time stated in the notice aforesaid as the number of hours' work in laboring required of said in said room by said corporation, to wit, said , on said day of , the same being the said employment in laboring of the said by said corporation, to wit, the said as aforesaid, not being then and there or any part thereof in compensation for or to make up for any time lost in consequence of the stopping of any machinery of the said corporation, to wit, the said , upon which the said was employed or dependent for employment or had been employed or was dependent for employment any previous day in the week of which the said day of was a portion , against the peace of the said Commonwealth and the form of the statute in such cases made and provided. He therefore prays that the said corporation, to wit, the said

, may be summoned to answer to said complaint and dealt with relative to the same, as law and justice may require.

Dated at B , in the county of M , this day of ,
in the year of our Lord one thousand eight hundred and ninety .
C D, Complainant.

Commonwealth of Massachusetts.

M ss. Taken and sworn to this day of , in the year
of our Lord one thousand eight hundred and ninety .

Before me, , A B, Trial Justice.

The above form shall be sufficient in prosecutions of a natural person or persons and before district, police and municipal courts, or any magistrate authorized to receive complaints, with such modifications as may be necessary in every case.

SECT. 57. The following expressions used in this act shall have the following meanings:—

The expression “person” means any individual, corporation, partnership, company or association.

The expression “child” means a person under the age of fourteen years.

The expression “young person” means a person of the age of fourteen years and under the age of eighteen years.

The expression “woman” means a woman of eighteen years of age and upwards.

The expression “factory” means any premises where steam, water or other mechanical power is used in aid of any manufacturing process there carried on.

The expression “workshop” means any premises, room or place, not being a factory as above defined, wherein any manual labor is exercised by way of trade or for purposes of gain in or incidental to any process of making, altering, repairing, ornamenting, finishing or adapting for sale any article or part of an article, and to which or over which premises, room or place, the employer of the persons working therein has the right of access or control: *provided, however*, that the exercise of such manual labor in a private house or private room by the family dwelling therein, or by any of them, or in case a majority of the persons therein employed are members of such family, shall not of itself constitute such house or room a workshop within this definition.

The expression “iron works” means any mill, forge or other premises in or on which any process is carried on for converting iron into malleable iron, steel or tin plate, or for otherwise making or converting steel.

The expression “glass works” means any premises in which the manufacture of glass is carried on.

The expression “paper mills” means any premises in which the manufacture of paper is carried on.

The expression “letter press establishments” means any premises in which the process of letter press printing is carried on.

The expression “print works” means any premises in which is carried on the process of printing figures, patterns or designs upon any cotton, linen, woollen, worsted or silken yarn or cloth, or upon any woven or felted fabric not being paper.

The expression “bleaching works” means any premises in which the process of bleaching any yarn or cloth of any material is carried on.

The expression “dyeing works” means any premises in which the process of dyeing any yarn or cloth of any material is carried on.

The expression “public building” means any building or premises used as a place of public entertainment, instruction, resort or assemblage.

The expression “schoolhouse” means any building or premises in which public or private instruction is afforded to not less than ten pupils at one time.

The aforesaid expressions shall have the meanings above defined for them respectively in all laws of this Commonwealth, relating to the employment of labor, whether heretofore or hereafter enacted, unless a different meaning is plainly required by the context.

SECT. 58. Any person attempting to influence a voter in violation of section five of this act shall be punished by fine not exceeding three hundred dollars or by imprisonment in jail not exceeding one year, or by both.

SECT. 59. Any person making a false report of the stopping of machinery under section eleven of this act shall be punished by fine not exceeding one hundred dollars and not less than fifty dollars.

SECT. 60. Any person or corporation, either for himself or itself, or as superintendent, overseer or other agent for another, employing or having in his employment any person in violation of the provisions of sections ten and eleven of this act, and any parent or guardian permitting any minor under their control to be so employed, and any such corporation, employer, superintendent, overseer or agent failing to post the notice required by section eleven of this act, shall be punished by fine not exceeding one hundred dollars and not less than fifty dollars for each offence.

SECT. 61. A certificate of the age of a minor made and sworn to by him and by his parent or guardian at the time of his

employment in a mercantile establishment shall be *prima facie* evidence of his age in any prosecution under the preceding section.

SECT. 62. Every parent, guardian or person authorized to sign the certificates prescribed by section seventeen of this act, who certifies to any materially false statement therein, shall be punished by fine not exceeding fifty dollars or by imprisonment not exceeding thirty days, or by both.

SECT. 63. Whoever violates any of the provisions of this act relating to the manufacture and sale of clothing made in unhealthy places shall be punished by fine not exceeding one hundred dollars and not less than fifty dollars.

SECT. 64. Any person violating the provisions of section forty-nine of this act, forbidding the employment of children in any circus or public place, shall be punished by fine not exceeding two hundred dollars, or by imprisonment in the county jail not exceeding six months.

SECT. 65. Any corporation violating the provisions of section fifty-one of this act, requiring the weekly payment of wages, shall be punished by fine not exceeding fifty dollars and not less than ten dollars.

SECT. 66. Any person who is convicted a second time of the violation of the provisions of section fifty-five of this act, as to weavers' wages, shall be punished by fine not exceeding three hundred dollars.

SECT. 67. Every parent or guardian of a child under fourteen years of age who permits any employment of such child contrary to the provisions of this act, and every owner, superintendent or overseer of any factory, workshop or mercantile establishment who employs or permits to be employed therein any child contrary to the provisions of this act, and any other person who employs any child contrary to the provisions of this act, shall for every such offence forfeit not less than twenty nor more than fifty dollars for the use of the public schools of the city or town. A failure to produce to a truant officer or inspector of factories the certificate required by the provisions of this act shall be *prima facie* evidence of the illegal employment of the child whose certificate is not produced.

SECT. 68. Any person or corporation or officer or agent thereof, employing any woman or minor in violation of section twelve of this act, shall be punished by fine not exceeding fifty dollars and not less than twenty dollars for each offence.

SECT. 69. Any corporation or employer retaining any age or schooling certificate in violation of section twenty-two of this act shall be punished by a fine of ten dollars.

SECT. 70. Any person who employs or permits to be employed a minor in violation of the provisions of section twenty-four of this act shall for each offence forfeit not less than fifty nor more than one hundred dollars for the use of the evening schools of such city or town.

SECT. 71. Whoever, either for himself, or as superintendent, overseer, or other agent of another, violates the provisions of sections twenty-six, twenty-seven, twenty-eight or twenty-nine of this act, as to meal hours, shall be punished by fine not exceeding one hundred dollars and not less than fifty dollars.

SECT. 72. Any person or corporation violating the provisions of section thirty of this act, as to seats for females, shall be punished by fine not exceeding thirty dollars and not less than ten dollars for each offence.

SECT. 73. Whoever, either for himself, or as superintendent, overseer or other agent of another, violates the provisions of section thirty-one of this act, as to cleaning of dangerous machinery, shall be punished by fine not exceeding one hundred dollars and not less than fifty dollars for each offence.

SECT. 74. Whoever violates the provisions of section thirty-two of this act, as to the care of elevators, shall be punished by a fine not exceeding one hundred dollars and not less than twenty-five dollars for each offence.

SECT. 75. Any school committee, public officer, corporation, or person, neglecting for four weeks to obey an order from an inspector under section forty-two of this act, shall be punished by fine not exceeding one hundred dollars.

SECT. 76. Any person, firm or corporation violating the provisions of sections forty-four to forty-eight inclusive of this act, shall be punished by fine not exceeding five hundred dollars and not less than fifty dollars.

SECT. 77. Any person, firm or corporation neglecting or refusing to comply with the provisions of section fifty-two of this act shall be punished by fine not exceeding fifty dollars and not less than ten dollars.

SECT. 78. Any person violating any provision of this act where no special provision as to the penalty for such violation is made shall be punished by fine not exceeding one hundred dollars.

SECT. 79. Within one month after the passage of this act the chief of the district police shall cause a printed copy thereof to be transmitted to the school committee of every city and town in the Commonwealth.

SECT. 80. Sections eight and nine of chapter forty-eight, and sections one, two and three of chapter seventy-four of the Public

Statutes; chapter one hundred and fifty of the acts of the year eighteen hundred and eighty-two; chapter two hundred and seventy-five of the acts of the year eighteen hundred and eighty-four; chapter eighty-seven of the acts of the year eighteen hundred and eighty-six; chapters one hundred and three, one hundred and twenty-one, one hundred and seventy-three, two hundred and fifteen, two hundred and eighty, three hundred and thirty and three hundred and ninety-nine of the acts of the year eighteen hundred and eighty-seven; chapters one hundred and forty-nine, three hundred and five and three hundred and forty-eight of the acts of the year eighteen hundred and eighty-eight; chapter two hundred and ninety-one of the acts of the year eighteen hundred and eighty-nine; chapters forty-eight, ninety and two hundred and ninety-nine of the acts of the year eighteen hundred and ninety; chapters two hundred and thirty-nine, three hundred and seventeen, three hundred and fifty and three hundred and fifty seven, except section six, of the acts of the year eighteen hundred and ninety-one; chapters eighty-three, two hundred and ten, two hundred and ninety-six, three hundred and thirty, three hundred and fifty-two, three hundred and fifty-seven and four hundred and ten of the acts of the year eighteen hundred and ninety-two, and chapters two hundred and forty-six, three hundred and eighty-six and four hundred and six of the acts of the year eighteen hundred and ninety-three, and all acts and parts of acts inconsistent herewith, are hereby repealed.

Chapter 534, Acts of 1894.

AN ACT REQUIRING SPECIFICATIONS TO BE FURNISHED TO PERSONS EMPLOYED IN COTTON FACTORIES.

SECTION 1. The occupier or manager of every cotton factory shall supply with each warp, to each person engaged as a weaver in said factory who is paid by the piece, cut or yard, a printed or written ticket containing the following specifications as to the work to be done and wages paid, to wit: — The number of cuts; the number of yards per cut or piece; the price per yard, cut or piece; the number of picks per inch; the number of reeds to the inch. Said occupier or manager shall also supply to each person engaged as a frame-tender a specification of the number of roving and price per hank or hanks; and to each person engaged as a warper or web-drawer a specification of the number of threads in the warp and the rate of compensation; and to each operative who is paid by the pound a specification of the price to be paid per pound or pounds; said specification to be furnished in each case on a printed

or written ticket within seven days from the time that said operator begins work.

SECT. 2. Any occupier or manager of a cotton factory who fails to comply with the provisions of the preceding section shall, for the first offence, be punished by fine not exceeding fifty dollars and not less than twenty-five dollars, and for each subsequent offence by fine not exceeding one hundred dollars and not less than fifty dollars.

SECT. 3. The members of the inspection department of the district police force shall enforce the provisions of this act.

Chapter 251, Acts of 1883.

AN ACT TO SECURE BETTER PROVISIONS FOR ESCAPE FROM HOTELS AND CERTAIN OTHER BUILDINGS IN CASE OF FIRE.

SECTION 1. Every keeper of a hotel, boarding or lodging house containing one hundred or more rooms, and being four or more stories high, shall have therein at least two competent watchmen, each properly assigned, and each on duty between the hours of nine o'clock in the afternoon and six o'clock in the forenoon. And every keeper of a hotel, boarding or lodging house, containing fifty or more, but less than one hundred rooms, and being three stories high, shall have between said hours at least one competent watchman on duty therein. And in all such hotels or lodging houses as are mentioned in this section, the halls and stairways shall be properly lighted at night, and at the head and foot of each flight of stairs shall be kept during the night a red light; and one or more proper alarms or gongs, capable of being heard throughout the house, shall always remain easy of access and ready for use in each of said buildings, to give notice to the inmates in case of fire. And every keeper of such hotel, boarding or lodging house shall keep posted in a conspicuous place in every sleeping-room, a notice descriptive of such means of escape.

[Section 2 was repealed by chapter 426, Acts of 1888.]

SECT. 3. The inspector of buildings in the city of Boston, the mayor and aldermen of other cities, and the selectmen of towns, shall prescribe as they deem necessary, except so far as is specifically required in the preceding sections, what additional night-watch shall be kept, and what further provisions for the prevention of fires, and for the better protection of life in case of fire, shall be made by the several keepers of hotels, boarding or lodging houses within their respective limits; and no license shall be granted to any keeper of a hotel embraced in the provisions of this act,

until the requirements thereof, so far as applicable, have been complied with.

SECT. 4. Whoever neglects or refuses to provide watchmen as required by this act shall be punished by a fine not exceeding one thousand dollars for each offence, and whoever violates any of the other provisions of this act shall be subject to the same penalty as is prescribed in section twenty-two of chapter one hundred and four of the Public Statutes.

Chapter 223, Acts of 1884.

AN ACT RELATING TO SAFETY APPLIANCES IN HOTELS AND PUBLIC BUILDINGS.

SECTION 1. All hotels, boarding and lodging houses, subject to the provisions of chapter two hundred and fifty-one of the acts of the year eighteen hundred and eighty-three, adopting a system of electric watch-clocks that shall register at the office the movements of a watchman throughout the house, or adopting in the rooms any system of thermostats or fire-alarm bells that shall be approved by the inspector of factories and public buildings, or in the city of Boston by the inspector of buildings, shall be exempt from maintaining more than one watchman in addition to the regular night clerk and porters.

SECT. 2. The provisions of this act, and of said chapter two hundred and fifty-one of the acts of the year eighteen hundred and eighty-three, shall apply to family hotels.

SECT. 3. This act shall take effect upon its passage.

THE INSPECTION DEPARTMENT.

It is impossible to have complete knowledge of the variety, extent and importance of the work required of this department under the laws of the Commonwealth without a careful study of the provisions of the foregoing codifications and consolidation of legislation.

How greatly expanded the so-called labor and inspection laws have become, as compared with the earlier enactments on those subjects, may be seen by careful comparison with chapters 481 and 508 of the Acts of 1894, just quoted.

What are generally described as factory laws long ago appeared in the British and other European statutes. Comprehensive in scope, yet exceedingly minute in details, they

formed a curious study for all interested in the gravest questions of political economy. Great Britain, especially, has always asserted her supremacy as the workshop of the world. But her factory operatives include, even now, vast numbers of children, whose proper place is the school-room or the home, however humble the latter may be. Her multitudinous industries are crowded with women wage-earners. For a long series of years Parliament has dealt with the needs of these workers in respect to limitations of hours of labor, schooling and sanitation.

In this country it is an acknowledged fact that Massachusetts has from the first led the way in all matters relating to the welfare of her laboring population; but she has followed in many important respects the path marked out by the legislation of Great Britain.

It is certainly instructive, as showing the great advance in that country in what is commonly known as labor legislation, to consider the earliest steps that were taken in Great Britain for regulating the hours of work, preserving the health and promoting the education of young persons employed in mills and factories.

In the reign of George III. something had already been done in such direction; but the leading factory act, which seems to have been the substantial foundation of an increasing and important structure, was passed during the earlier years of the present reigning sovereign, and by that act night work was, with some exceptions, forbidden in the case of persons under eighteen years of age, whilst their hours of labor were limited to twelve in the day, including one and a half hours for meals. The employment of children under nine years was prohibited except in silk mills, and under thirteen the hours were restricted to eight each day or to ten hours in silk mills.

Holidays were allowed, and health certificates required from a surgeon or physician previous to the admission of a child into a factory, under certain penalties. Then inspectors of factories were authorized and appointed and their powers and duties specially defined. The inspectors were required to see that every child within the restricted age was placed at some school, and in case the parents or guardians of the

child omitted to provide for his education the employer was compelled to pay the inspector one penny in every shilling of the weekly wages of the child, said money to be applied to that purpose.

Regulations were laid down for the protection of children working in web-spinning flax mills. It was required that mill machinery should be guarded, and that the gearing should not be cleaned while it was in motion.

For the purposes of the act a child was defined to be a person under thirteen years of age, and a young person one between the ages of thirteen and eighteen years.

An abstract of the factory act, and notices calling attention thereto, were required to be conspicuously displayed in suitable places in every factory.

Children were not to be employed more than six and a half hours in any one day, or seven hours in silk factories; but they might be employed ten hours in one day in three alternate days of the week, provided that they were not employed in any other factory on two successive days, or after half-past four o'clock on a Saturday. On the other days the children must be sent to school for five hours, Saturday excepted, when no school attendance of any child was required. Women above the age of eighteen years were to be employed as young persons, and work for all children and young persons must cease on Saturday at half-past four o'clock.

The provisions for meal hours allowed for such purposes would be between half-past seven in the morning and half-past seven in the evening, and that one hour should be given before three o'clock. No child or young person was allowed to be employed more than five hours before one o'clock without an interval for meal time of at least thirty minutes. All young persons were to have their meal times at the same hour, and were not allowed to remain in any of the rooms used for manufacturing processes. Certain half holidays were provided.

Still later it was required by law that no person under thirteen years of age should be employed in a factory before six o'clock A.M. or after six o'clock P.M., or on Saturday after two o'clock; but between September 30 and April 1,

children might be employed on any day but Saturday from seven o'clock A.M. till seven o'clock P.M.

By subsequent legislation the hours of labor in factories of young persons and women above the age of eighteen years were reduced from twelve, which the earlier factory act had prescribed, to ten hours after May, 1848; and still further modifications were made as to the limitations of the hours of labor.

It is not my purpose to trace with any degree of minuteness the course of this class of legislation in Great Britain. It is sufficient to give only an outline of its more prominent features, in order to make it apparent that great strides have been taken there in the direction of the freedom of the operatives from unnecessary and harmful restraints, and more liberal provisions made for their comfort, health and general welfare. Historical accuracy requires that it should be said that the greater abuses, especially in the control and management of child labor in Great Britain in those earlier days, were to be found in the mining districts rather than in the factory villages and towns, although in the latter there was much to awaken public indignation and challenge the attention of Parliament.

In this enlightened generation it seems incredible that such scenes should be presented which were brought to light by investigations, and which were ultimately substantially abolished by wise and comprehensive laws faithfully enforced.

It has been authoritatively stated that until nearly the close of the last century factories were hardly known in the United States. The first ones were devoted to the making of cloth. The machinery was crude, the processes rudimentary and the products coarse. Nothing in the history of human invention has shown such marvelous changes as the development of machinery. Its uses are innumerable, the perfections of its operations almost beyond description. The changes effected by the continual multiplication of machinery has made it necessary almost to rewrite the history of the civilized world, and the effects upon the homes and destinies of the so-called laboring classes no imagination has yet been able to depict. Political economy of the last century is as

inadequate as the first attempt of the astronomers to account for the movement of the heavenly bodies.

Machinery, and the assured necessity of the division of labor, are in some way related as cause and effect. The older methods of individual labor at the home of the workman, whether for better or worse, have been finally superseded. Then one and the same person made the complete article, whether it was a lock or a broom, a shoe or a nail. Now the product goes through as many hands as there are separate parts, whether it be a carriage or a watch. No man, however skilled and experienced, makes the entire carriage; no one makes the entire watch. It is claimed that under this modern system of production the workman becomes more skilful and produces the best obtainable results. His energy and capacity are restricted to narrower fields, but he accomplishes more in a given time, and does it better. At this point the demand for hand labor ceases, and the machine work commands the market. Then the effect upon the hours of labor and the rate of wages is at once felt. So much more can be turned out by machinery, the gain in accuracy and finish is greater, and it is found that certain machinery can be tended as well by women and children as by adult men.

The use of machinery, therefore, tends to lessen the cost of production, because the processes are simplified, and *cheap labor* can be made available. It does not matter what has brought about such a condition, whether it has been generated by greed or stimulated by better motives; the employment of women, and especially of children, to such an extent as now prevails, is one of the least hopeful signs of our modern civilization. We may explain the fact as we will, and palliate its evils as we may; it remains true that young children are put to work before, in the nature of the case, they have acquired the requisite strength and endurance for the strain. Upon one pretence or another they are defrauded of the most precious period of their lives, — childhood, with its innocent pleasures and opportunities for mental and physical growth and improvement. The burden imposed upon them is too often beyond their years. They come under the yoke of toil under such cir-

cumstances and with such results that the wisdom of the system seems to be like that of the farmer who feeds his seed corn to his stock. Conceding all that may be reasonably claimed under the apparent necessities of the case, no argument can sustain itself against the central fact that childhood can be put to better uses than harnessing it to the chariot of gain.

In the proper order, the breadwinner of the family should be the father. But when the mother and the older children must also crowd into the factory and workshop, in order to secure adequate means of subsistence, it seems like doing violence to the home, and smothering those influences which best develop childhood and womanhood. But we have to deal with existing conditions. The best conditions of society cannot always be secured. Legislation must be relied upon to limit and remove the evils attendant upon our system of labor.

From the first, attention has been called to the imperative necessity of guarding the personal rights of wage-earners, and especially of women and minors in their relations to employment in manufacturing, mechanical and mercantile establishments; and it is certain that the laws limiting the hours of labor, the age at which children shall be permitted to engage in such employment, and requiring a reasonably adequate amount of schooling, have accomplished good results.

One of the most encouraging and creditable features of the work of the inspection department, which I am glad to emphasize in this report, is the almost complete disappearance of the spirit of antagonism and resistance which our inspectors had to contend against in the earlier attempts at enforcement of the laws in question. It is undeniably true that the owners and managers of our great manufacturing, mechanical and mercantile establishments take a more direct and active interest in the welfare of their help, especially of minors, than in former years, when so-called legislation was apt to be regarded as more or less injurious to the interests of employers, and as invasions upon private rights. Better provision is made in respect to tenements and work-rooms, and more regard is paid to the sanitary necessities of employees than formerly. In those cases where inspection dis-

closes evils and defects which require to be remedied, in almost every instance when the facts are brought to the attention of those who are at fault a ready compliance with the law ensues.

Under the most favorable conditions practically attainable, certain manufacturing processes load the atmosphere with particles or gases thrown off from the materials wrought upon; and in other kinds of manufacturing the air must be kept at a high degree of temperature, which probably generates impurities. Scientific knowledge coupled with practical experience is constantly reducing those evils to the minimum degree; and meanwhile the inspectors are expected to be vigilant in discovering them and taking immediate measures for their removal.

INSPECTION OF UNINSURED STATIONARY STEAM BOILERS.

The Legislature of 1893, by chapter 387 of the Acts of that year, authorized the appointment of an additional district police officer for temporary service in the inspection of uninsured boilers. The thorough investigations made by that officer revealed such a condition of things that the succeeding Legislature provided for the continuance of such service, and the results thereof, as shown in the full and detailed reports made to this department, justify the work undertaken.

The Commonwealth now has assumed such control over the class of boilers indicated, and the men to manage them, that the common rules of safety will no longer be disregarded.

It is singular that while for many years we have had laws for the protection of life and property from dangers incidental to the use of machinery, from perils of fire and unsafe building construction, it has only recently been deemed a misdemeanor to use a rotten boiler, or to employ as an engineer a man who did not know the difference between a pound of steam and a pound of meat. It was almost the rule and not the exception to find men in charge of uninsured boilers so grossly incompetent that it was a constant wonder how they got through a week's labor without disaster.

The federal government requires that all men employed as engineers on steam vessels shall undergo a rigid examination,

and satisfy the proper authorities that they are duly qualified to discharge the important trust assigned them.

The subject was so well understood by capable engineers themselves that repeated efforts were made to secure legislative authority for a proper system of examination and inspection, so that only applicants who were able to attest their capacity before a competent board of examiners would be allowed in positions of such great responsibility.

It is a fact beyond cavil or dispute, and supported by carefully collected data, that life and property have been put in daily peril in this Commonwealth by the employment of incompetent persons to manage stationary boilers. We owe it to the Boston Society of the National Association of Stationary Engineers that the facts were brought to the attention of the Legislature, and the necessary law passed to remove the abuses here stated.

A dangerous case is that of a boiler in a sausage factory. This boiler is situated in a narrow area between three tenement houses, and is of the upright tubular type. The man who owns the factory usually looks after the boiler, but his knowledge does not extend beyond putting in coal and keeping a lookout for the position of the water line; and this is not always well attended to, as the boiler is not in the place where the men are at work. It is not surprising to find that this boiler has had very little attention, although an inspection showed it needed considerable care. Hydrostatic pressure was applied, and more than half of the tubes showed signs of leaking, and four of them leaked badly. The worst defect was found in the internal shell of the boiler, which had been so eaten away at one spot by corrosion that for a distance of several inches the plate was reduced in thickness to less than one-thirty-second of an inch, and the removal of the ashes from around this plate and the application of a slight pressure in excess of that usually carried caused the plate to crack for several inches, and allow the escape of the water sufficient to prevent the maintaining of pressure by the pump. This boiler had other defects of a less serious nature, all of which together show the poor condition in which it was being run. The condition of the tubes and the corrosion of the internal shell above noted were dangerous

defects, and likely at any moment to produce a fatal explosion. The owner was totally ignorant of any suspicion that the boiler was not in first-class condition, for he had purchased it but a short time before from a dealer in second-hand boilers. The history of the boiler could not be very well traced, but it undoubtedly had been thrown out by its previous owner, sold as old iron, and sold by this dealer as a safe boiler. In the condition revealed by the inspection it was not considered worth repairing, and a new boiler was substituted; but there is no knowledge but this same boiler may be puttied and painted over, and again sold to some trusting steam user.

In another place a horizontal tubular boiler was found leaking considerably about a patch that had recently been placed upon it. The man in charge knew nothing about the care of a boiler, beyond firing and starting the pump; and, as the boiler was so piped that the exhaust steam from the heating system returned to it, the oil that it contained reached the inside and mixed with the sediment already in the boiler, and formed a heavy sludge that collected over the fire sheets and burned the plate at this spot. The pressure in the boiler had bulged this burned spot when it was overheated, and had made a hole through the bottom, but did no more damage outside than to fill the place with the escaping hot water and steam. A patch had been put upon the boiler, but in such a poor manner that the patch was split between several of the rivet holes and leaking badly, and it was necessary to remove the patch and substitute another one. On the same boiler the hand-hole covers had been so poorly cared for that the leak from them had wasted the plate of the front head away sufficiently to need the placing of a patch at this spot. This boiler was not an old one, but had been ruined by ill attention; and, though the letting down of the plate over the fire was not attended with a disastrous explosion, it was by good fortune that no one was in or about the fire room at the time the accident occurred. As now repaired, the boiler is still safe enough to run, but with a continuation of this lack of care, it may be heard from some day with more fatal consequences.

A somewhat similar case occurred at a plant not very far

from that quoted above, and upon which the inspector reports that the boiler was one of a battery. All of the boilers showed evidences of lack of attention and efficient inspection. All the hand-hole plates in all the boilers but one had leaked so much that the heads had to be patched and new hand-holes made and new covers put in place; and all of the boilers revealed considerable scale inside, and the failure to properly care for the removal of this loose scale had caused the sheet over the fire of one of the boilers to bulge and open. Instead of having a boiler maker of experience come and repair the break by a properly placed patch, the owner concluded to patch it himself; and with the assistance of a machinist the bulge was cut out and a copper patch put in place. This patch lasted a few weeks, but also let go; but good fortune prevented a scalding, as the boiler room had no one in it when the patch let go. The other boilers are very foul inside, and a repetition of this experience is to be expected from them, although the copper patch will not again be attempted.

Laundry boilers evidently need more attention than they have had, as a number of cases of defective laundry boilers are reported. In the inspection of a boiler in a steam laundry in a suburban town the boiler was found standing beside one that had been worn out and condemned after a few years' use, and another was lying in the yard where it had been left after being removed as worthless. The remaining boiler of the three was but a few years old, but had received the same attention that ruined the others. The water poured from cracks about the fire door of this upright boiler and from two cracks in the internal shell in such quantities that the ash pit was kept filled with water. The engineer ran a laundry machine in an adjoining room, and would occasionally run in and throw on some coal and start the pump. The boiler appeared to be a side issue with him, and he cared for it simply because he was the nearest man to it,—not because he knew anything about it or had any interest in it. He contended that his work was on the machine, and when his day's work was done he did not feel like cleaning up much about a boiler. The inspector made arrangements to have this boiler inspected and to submit it

to hydrostatic pressure; but the owners failed to have the boiler ready at several times promised, so no inspection beyond what could be seen with the fire on was obtained. The reason given by the owner was that he could not afford to shut down for inspection, as the work was on hand and no one else could do it. The boiler is too small for the work required of it, and a larger boiler was recommended; but some months after the old boiler was found to have been taken down and patched.

In another establishment visited the boiler was of the horizontal tubular type, and in a room separate from the rest of the establishment. The inspector entered this room, but the engineer did not appear. The steam gauge showed ninety pounds pressure, and with the damper wide open the pressure rapidly rose, and when it reached ninety-eight pounds the inspector concluded to see at what point the safety valve would blow. Getting on top of the boiler, he was obliged to move the weight on the safety valve back a considerable distance before it would blow off at ninety-eight pounds. Judging from the distance moved, the safety valve must have been set at about one hundred and twenty-five pounds pressure. The blowing off brought the engineer from the other part of the building, and it then appeared this had been his method of doing the work. He would open the drafts and go back to his work, and, as the boiler was a large one, work until the pressure came up to the blowing-off point, and on blowing off he would go into the boiler room, shut off the draft and have a large amount of steam on hand to keep the engine running while he went back to work, and with the drafts shut. After a while he would notice that the speed was coming down, and go into the boiler room again and put on plenty of coal and open the drafts once more. The success of this scheme all depended upon the integrity of the safety valve giving warning when the high pressure was reached, so that the pressure could not be exceeded. It frequently happened, this man states, that the safety valve refused to lift, and that he had frequently gone into the room and found a very high pressure on; and once the valve had started when he shut the ash pit doors, probably from the jarring, blowing off with a roar and filling the room with

steam. The safety valve was an old one of the lever type and not reliable, and passed out through the side of the building, pointing upward outside by means of an elbow. It is quite possible for this pipe to freeze over and entirely close the safety valve. In this case the inspector remonstrated against this method of doing things, but the owner said he could not afford a man to give the boiler better attention; and, as it could not be forced upon him in the absence of any law, the inspector then suggested a more reliable safety valve, and a pop valve was placed in position and set at a lower pressure. If this boiler had exploded, it would have been from pure neglect in obtaining an excessively high pressure. The boiler was evidently designed to stand a pressure of seventy-five pounds with a factor of safety of five.

In a Lynn wood-turning establishment a boiler was found with the safety valve outlet running out doors; and, as the boiler had no regular attendant, it was in the habit of blowing off frequently. This steam would blow against the windows, and to prevent this the pipe was carried to the top of the building outside. The water accumulated in this upright pipe during the winter and froze, closing the safety valve as completely as though the boiler was without one. The man who did the firing stated that he had noticed that the boiler did not blow off in the winter, and he had thought it was due to the fact that they did some heating from it.

In another establishment a boiler was found of the upright type with a very bad leak in the internal shell near the cast-iron ring at the bottom. There were no hand holes in this boiler, and no means of cleaning out the water leg except by blowing off; and, as the blow-off was quite a little distance up the water leg, the lower portion became filled with sediment and had corroded so that the plate had been eaten through. This boiler also leaked about the shell where it was attached to the door frame. The tubes were very thin and many leaking, and it was thought best to recommend a new boiler rather than to recommend to attempt to repair that one; and on cutting out the portion of the shell about the door frame the shell was found to have been eaten away until it was scarcely one-sixteenth of an inch thick. This

place had no regular engineer, but the boiler was fired by the nearest man.

In another establishment at the time of the visit no engineer was in the boiler room. The inspector looked about the boiler, an old one, and everything appeared quite neat, a good fire on, seventy pounds of steam, and water showing in the glass a trifle above the first gauge. Trying this gauge, however, no water appeared; and looking for the cause the inspector discovered that the water column was set in such a way that water could show in the water column without there being any in the boiler. The boiler had a peculiar front, and the pipe from the bottom of the column was carried up and entered the boiler above the tube level. When the water got down to the level of this pipe from the bottom of the column it passed by it, leaving what water was in the column without disturbing it, and this water would always show this level, no matter how low it was in the boiler. So far as this boiler was concerned, it was as well without a water glass as with one so arranged. Making further inquiries from among the help, it appeared that low water was quite a common occurrence at that establishment, the plug having been burned out a number of times. The integrity of the plug saved this boiler; yet there are hundreds of boilers running without safety fusible plugs, and the law does not require them in the city of Boston.

The value of the fusible plug was shown in the case of a Peabody boiler. The man who has charge of the boiler always shuts the valves leading to the water column every night, explaining that he has frequently had a glass break in the night, causing much trouble. One morning he failed to be on hand to start up the boiler and engine, and another hand about the shop was given the work to do. The shutting of the valves to the column confined what water was in the column at that level, and prevented any water entering or leaving. The new hand did not look about for these valves, but looking at the glass saw plenty of water, started the engine and went to work. Occasionally he would look at the glass, see plenty of water and go back to work. In a short time the fusible plug at the back of the boiler burned out, but not soon enough to prevent considerable injury to

the boiler. The engine had taken, as steam, nearly all the water from the boiler, and the attendant did not know enough to observe that the water line in that glass should have been lowering with the engine running, and so look for the cause, and the fusible plug had not received proper attention to cause it to burn out the instant the water got below its level.

In one boiler inspected there was found a large amount of loose scale and sediment on the bottom of the boiler, and every evidence that the boiler did not receive very frequent cleaning out, as it should. The engineer stated that he blew the boiler off but once a year, and that his instructions were not to blow oftener. The sediment will cause trouble for this boiler, and allow the sheets to be overheated and their strength impaired by burning; and the recommendation was the use of a solvent and blowing off at frequent intervals. Calling the owner's attention to the necessity, he remarked, "Water costs too much over here to blow off that boiler oftener than once a year." He will run the risk to save a few dollars' extra cost for cleaning-out water, and risk also the lives of those he employs.

One boiler was found situated in the cellar of a tenement house, and furnishes steam for a small engine and laundry. The boiler is provided with the proper cleaning-out hand holes in the water leg, but the leg was filled with sediment. The owner had not touched it for three years. At that time he had taken off the hand-hole cover and tried to get out some of the deposited mud, but was obliged to use a chisel on it, and finally gave it up and has since run the boiler in that condition. It will cost considerable to clean out this boiler in its present foul and dangerous condition, that proper attention might have saved, and because of this cost the owner declines to do anything. Unless something is done an accident will be the result, and in this case it will undoubtedly mean loss of life.

Near this place there is a boiler running provided with a safety valve only three-fourths of an inch in diameter for a grate four by four feet. The safety valve was blowing off furiously at the time of visit, yet the pressure rapidly rose. The engineer works upstairs.

In the same town a large boiler was found with a leak so

considerable that the pump had to be kept going all the time to keep water in the boiler, and the stopping of the pump would be followed by a quick lowering of the water line. This engineer had other work outside to do, and the stopping of the pump from any cause in his absence would have been followed by a red-hot boiler.

The absolute necessity of taking all the oil out of the exhaust steam when it is used for heating and returned to the boiler does not seem to be appreciated by all engineers, and this oil is the cause of many bursts. At the Edison station on Atlantic Avenue two men were badly scalded by the bursting of a tube that had been burned by oil accumulations. In a large office building in Boston on one of the business thoroughfares the water of condensation from the exhaust steam is returned to the boiler through a poorly attended extractor, which does not extract the oil as it should do. This oil accumulated in the blow-off pipe, and, as this pipe is exposed to the direct impingement of the flame, the pipe burned off and allowed the escape of the steam into the room. The boiler was connected with others in a battery, and the whole of the steam from this battery could pour out through the burst. The proper thing for the engineer to do was to shut off the connections with the other boilers. Instead of doing this, he started for the street as fast as heels could take him, leaving his fireman behind. The fireman crawled over the boilers and shut the valves, and when this was accomplished the engineer returned, and, wanting to do something, he got the fire hose, and standing off at a safe distance commenced to play water on the hot boiler in which the burst had occurred, but for what purpose it would be a difficult matter for any one to fathom.

That second-hand boilers should have some method of control over them is a matter I have before called attention to. An instance of such a defective boiler is considered above. In another case the inspector observed a boiler from a passing train, as it was being set in position. Getting off and making an inspection, the boiler was found to be very old, made of iron, two sheets in a ring, and with staggered tubes. The boiler was badly corroded in places and eaten away at many of the seams. The tube ends were gone in many places

and the heads blistered, and the boiler was in a generally deteriorated condition. The owner intended to carry eighty pounds pressure regularly upon it, and stated he had bought it for a good boiler, but that he contemplated having it inspected by a boiler-inspection company. This was done and the boiler condemned at the pressure desired, and a new boiler took its place.

In another case a boiler was observed going into a factory and ready to be set up. Visiting this place a few days afterwards, it appeared that a machinist from Boston had been engaged to apply hydrostatic pressure, as the owner wanted to be sure before he set it up. After considerable work the machinist got everything ready and applied a test of one hundred and twenty pounds cold-water pressure to the boiler. A few tubes leaked slightly, but beyond this the boiler appeared tight, and the machinist and owner pronounced the boiler all right. The inspector was not satisfied, however, and concluded to empty the boiler and apply the hammer test. This test showed plain signs that the boiler had been burned a number of times and that the plate was of little value. Light blows of his hammer produced three cracks across one of the fire sheets, and cracks could have been produced upon any of the fire sheets. The boiler was completely crystallized, and the iron no better than cast iron for use in a boiler. It could stand a steady pressure of a considerable amount, but the first blow or shock was sufficient to crack it. The plate was laminated considerably in places and corroded at many of the seams, and several blisters were chipped off. The recommendation was for new fire sheets, but as this would cost considerable the owner concluded not to use it, although by his own test he was perfectly satisfied that the boiler was perfectly safe to use.

Another case of interest was found in a planing mill, where a small boiler was being run at a pressure of one hundred and fifteen pounds, according to the the gauge. The engineer stated that in reality he had but one hundred pounds pressure, and he accounted for it in this way: when there was no pressure in the boiler the gauge pointed to fifteen pounds, so he started with fifteen pounds as zero and added one hundred pounds, figuring that if with no pressure

the gauge registered fifteen, with one hundred pounds it would register one hundred and fifteen. The inspector was not satisfied with this impression, and concluded something might be the matter with the gauge. Removing it and applying it on a test pump, it was found not to move until the test gauge reached fifteen pounds, when the two gauges moved along substantially together, and at one hundred and fifteen pounds pressure both gauges stood very nearly alike; and the engineer was thus seen to be carrying one hundred and fifteen pounds pressure. On inspecting the boiler it was deemed safe for not over sixty pounds running pressure. The gauge was found to be filled with dirt, so that the pointer would not return beyond the fifteen mark.

In another case the boiler in a large hotel was found in an unsafe condition. The boiler was of the upright tubular type, and the application of a water pressure slightly in excess of the working pressure developed considerable leakage about many of the tube ends and seams. The internal shell of this boiler had been burned because of the accumulation of sediment in the water leg, no hand holes or other means being provided to clean out the boiler, the sediment preventing the water reaching the shell next the fire. Other defects were found that made the boiler dangerous to use.

The failure of the internal shell of an upright boiler similar to that above described was responsible for the explosion of a boiler near Boston in February, by which several men were injured. The boiler gave way under sixty pounds pressure, and was thrown bodily some five hundred feet over a hill. The internal shell was torn and twisted in every direction, but the outer shell held together. The inspector reports that this internal shell gave way quite near the bottom of the water leg, and at this place was scarcely one thirty-second of an inch in thickness, and this shell so thoroughly crystallized that pieces of the plate could be knocked off with a single blow of the hammer. Pieces thus knocked from this boiler are in my office, and show how badly corroded the plate was and how much eaten away, the boiler never having had a regular inspection or the care of an experienced engineer.

In inspecting the boilers of school-houses the inspector

found a number in which the safety valves were out of condition from negligence upon the part of the janitors. In one case the lever of a safety valve was swung under a beam in such a way that the valve could not be lifted. This plant had two boilers, one supplying the direct heating coils and the other the indirect radiators. The direct was used only in the morning to heat up quickly, but the fires and steam were kept up, with no demand for the steam. This boiler had the inoperative safety valve, and how high the pressure has been no one knows. In another large school the safety valves on both boilers were considerably corroded, so that only by a vigorous use of the hammer and considerable kerosene could the valve stems be started.

Attention should be called to the negligence of many engineers in not using the safety device provided upon their engine governors to prevent the racing and bursting of the fly wheel. A large number of engines have no such safety device, but a great many are so provided, but the engineers do not use them; and this has been found the case in many of the State institutions, as well as in manufacturing establishments. Usually these devices are rendered operative by the removal of a pin when the engine has been started up, inserting the pin to support the governor when the engine is stopped, or by some equally simple device. It is but the work of a second at starting and stopping to render this safety device operative; but in the majority of cases the inspector reports that the engineers neglect to remove this pin, or to do the simple act of precaution necessary to obtain safety should anything happen to the governor. The attention of some manufacturers was called to this condition of affairs, with the recommendation that these safety devices be always ready for use. Within a few weeks after this recommendation was made the immense fly wheel of a large mill engine burst with disastrous results, a number of persons were injured, fortunately not fatally; and the accident was due to the failure to keep a safety device in operation, and could have been entirely prevented had the engineer simply removed the pin that rendered operative the stop motion of the governor.

SUMMARY OF REPORTS.

Number of boilers inspected, 405		
DEFECTS FOUND.	Total Number.	Dangerous.
Defective settings,	24	4
Defective safety valves,	33	12
Defective water blow-off,	47	19
Defective braces,	23	2
Defective feed arrangements,	12	2
Defective water columns,	15	—
Defective steam connections,	22	1
Without safety fusible plug,	36	36
Without suitable inspection,	88	—
Without safety valves,	3	3
Without water glass,	13	—
Without water gauges,	2	—
Safety valves overloaded,	18	18
Water gauges inoperative,	8	—
Leaky seams,	30	—
Dry sheet burned,	15	9
External corrosion,	73	12
Internal corrosion,	27	5
Leaky tubes,	99	8
Cracks on boiler shell,	15	13
Cracks on head,	13	—
Blisters on plates,	21	5
Patched plates,	56	4
Pitting,	32	5
Boilers with defective rivets,	23	—
Scale considerably,	22	—
Miscellaneous,	72	11
Total,	842	169

Any legislation which affords additional protection to life and limb deserves careful consideration by those who are in any respect responsible for the safety of others. The negligence as well as the ignorance of many who are in charge of steam-boilers makes it an important factor in the question of safety to human life. That legislation is imperatively required for the daily safety of thousands is evident from the reports made to me from time to time by the inspector of steam-boilers in this department. Enlightened self interest in theory is supposed to be a sufficient guarantee for protection in the use of steam-boilers, but the experience of the inspector makes it clear that vigilant and minute inspection and the most stringent laws are needed safeguards.

I renew my recommendation for the enactment of a law regulating the use of steam-boilers, for the better protection of life in the use of the same.

SCHOOLING OF CHILD WORKERS.

The watchword of American citizenship is universal education. Education may be free, but not universal. Social conditions in some communities may be a barrier. The struggle for the means of subsistence may make education well-nigh impossible to many.

The policy of Massachusetts is to provide the means of education for all; to erect school-houses, furnish them with suitable books and apparatus, supply competent teachers, and then insist that the children shall be taught at least the prime elements of learning. No individual system which practically denies schooling to children can permanently be established in this Commonwealth, whatever the demand of trade or of business, the exigencies of physical conditions or the schemes of politicians. Every school-house door in the State must stand wide open at suitable hours to every child of school age within our borders. If the supposed necessities of the family beckon the children to the store, factory or workshop, and entice the consent of parents by hope of gain, the State interposes, compulsory education is demanded in the interest of good order, correct morals and upright citizenship. If the children must from any cause, justifiable or otherwise, spend a part of each day in some remunerative employment, the State says substantially it may be done, but the condition precedent is that suitable schooling shall first be provided for.

American labor must be intelligent labor. There must be motive, hope and encouragement in the worker, or his toil ceases to be other than the dreariest drudgery. The mobs that ravage and destroy hold in contempt not merely the rights of property but human life as well. Whether they mass their forces in the east or west, they are not the products of our free public schools. We teach our children respect for the properly constituted authorities, loyalty to the government of the State and nation, obedience to law, and that violence, in a popular government founded upon the

public will as expressed through legal channels, never righted a wrong. It was in keeping, therefore, with the history and traditions of our Commonwealth, that when her industrial system summoned children to the workshop or factory, the most stringent requirements were made in the interest of the education of children who were expected to spend in such labor a part of their daily hours; and, notwithstanding the competitions of business arising from other States, and the necessity of figuring closely as to the cost of production and the rate of wages, and other considerations that entered into the matter, the standard of required schooling has been constantly advanced. Children of a limited age may be permitted to earn money, but they must not do it at the expense of their education.

It is conceivable that the policy of Massachusetts in respect to some of her population may radically change, but it is not within the range of probability that the school requirements for child workers will ever be relaxed or diminished. It is far more likely that the age limit of employment of children in factories, workshops and mercantile establishments will be materially raised, and thus their competition in some ways with adult labor be remedied or considerably modified.

There is a wrong impression quite prevalent as to the extent to which child labor is employed. It is apparently supposed that the instances of such employment are somewhat rare, and that the importance of the matter has been greatly exaggerated. But the labor statistics of the Commonwealth set forth the fact when the question was recently agitated in Great Britain of raising still more the limit of age at which child labor should be permitted. Strenuous opposition was made upon the ground of the vastly increased cost of production, if the field from which such labor was selected should be thus restricted. It was objected that to shut out child labor by raising the limit of age only one year would involve a loss of wages then paid which was estimated for the United Kingdom to amount to several millions a year.

What better evidence could be given of the relative growth and strength of that element of the labor market? It shows conclusively that much of this class of labor has

been permitted and encouraged, and by inference that the strain of severe and continuous work, combined with a certain amount of school attendance, has been put upon children at an age when they should be allowed the best possible opportunities for physical development.

The theory of our Massachusetts laws in relation to child labor is, that all the children in this State shall be afforded the opportunity to obtain at least an elementary education, and the parents and others having control of them shall not be allowed to deprive them of this for the sake of earning wages.

In this connection the fact may be noted as one of great significance that factory owners and managers are generally disposed to refuse employment to children under fourteen years of age. As I showed in my last annual report, in fourteen of the largest establishments among those inspected by my officers, giving work to more than twenty thousand, not one child under fourteen years of age was found. The fact is well established that employees are averse, more so than ever before, to hiring children under the age where compulsory education ceases. It may be added that this is especially noticeable in the city of Fall River.

EMPLOYMENT OF WOMEN IN FACTORIES, WORKSHOPS AND MERCANTILE ESTABLISHMENTS.

While great reforms have been made in legislation in the last few years in the interest of women employed as operatives and in similar ways, there are special reasons why incessant vigilance must be exercised to secure for them adequate protection from injustice, and the best attainable sanitary conditions. If any considerable number of men so employed suffer from preventable evils, arising from conditions adverse to their welfare in any respect, they have the means of immediate and sure correction. They may alter, amend or make laws to remove their grievances and better their condition as workmen. It is not claimed that the Commonwealth is indifferent to the welfare of women employees,—the legislation in protection of their rights as workwomen shows the contrary; but because they cannot by direct and personal effort shape the laws intended to pro-

tect wage-earners, it is incumbent upon us to secure the best possible conditions of employment for them.

Our statutes provide that no woman shall be employed in laboring in any manufacturing or mechanical establishment more than ten hours in any one day, and in no case shall the hours of labor exceed fifty-eight in a week. Nor shall she be employed in any capacity for the purpose of manufacturing between the hours of ten o'clock at night and six o'clock in the morning. No woman shall be employed in a factory or workshop (certain kinds of employment being exempted from the operations of this law) in which five or more women are employed for more than six hours at one time without an interval of at least half an hour for a meal. But she may be so employed for not more than six and one-half hours at one time, if such employment ends at an hour not later than one o'clock in the afternoon, if such woman is then dismissed from the factory or workshop for the remainder of the day; or for not more than seven and one-half hours at one time, if she is allowed sufficient opportunity for eating a lunch during the continuance of such employment, and if it ends at an hour not later than two o'clock in the afternoon, and she is then dismissed for the remainder of the day.

Every person or corporation employing women or girls in any manufacturing, mechanical or mercantile establishment in this Commonwealth must provide suitable seats for the use of the persons so employed, and shall permit the use of such seats by them when they are not necessarily engaged in the active duties for which they are employed.

The most rigid sanitary regulations are provided in the interest of comfort, decency and health. Wherever two or more women and two or more men are employed in factories, workshops, mercantile or other establishments, or offices, the rooms must be cleanly and free from effluvia arising from any drains, privy or other nuisance, and provided within reasonable access with a sufficient number of proper water-closets, earth-closets or privies for the use of the persons employed therein, and a sufficient number of separate and distinct water-closets, earth-closets or privies for the use of each sex, and plainly designated; and no person shall

be allowed to use any such closet or privy assigned to persons of the other sex.

All factories and workshops in which five or more are employed must, while work is carried on therein, be so ventilated that the air shall not become so exhausted or impure as to be injurious to the health of the persons employed therein; and shall also be so ventilated as to render harmless, so far as practicable, all gases, vapors or dust or other impurities generated in the course of the manufacturing process or handicraft carried on therein, which may be injurious to health; and proper mechanical means, if necessary, must be provided, maintained and used to prevent such contamination of the air.

The expression "woman," under the law specified, means a woman of eighteen years of age and upwards. In addition to the specific provisions above referred to, which are intended to afford protection to women employees, they are also protected by other laws in relation to conditions of labor, sanitation, etc., which apply in common to all persons similarly employed.

When these beneficent laws first went into operation, it was curious and instructive to observe the evasions that were resorted to. In the matter of providing seats for women employees, the law was disregarded by causing it to be understood that a woman occasionally resorting to a seat for needed rest was liable to lose her situation. In one establishment in which hundreds of girls and women were employed, the only closets they were allowed to use were upon the top floor of the building, and so few that the accommodations were wholly inadequate. Only the inspectors of this department know the details of numerous cases which showed the grossest violations of the laws of decency and health.

THE MANUFACTURE AND SALE OF CLOTHING MADE IN UNHEALTHY PLACES.

It will appear by reference to my last report that inspectors Griffin and Plunkett have made thorough examination of premises within their respective districts, which were discovered to be occupied and used both for dwellings and for

workshops in which wearing apparel has been made, altered, finished or repaired.

The law in relation to this subject is not one for the regulation of the trade. It has a wider scope and the most important bearing upon the public health. The procedure under the law imposes no hardship whatever upon anybody.

The occupants of a tenement house who desire to take goods home for any of the processes of work required must within fourteen days from the time of beginning such work notify the inspector of the location of his workshop, the nature of the work there carried on and the number of persons therein employed. This notice enables the inspector to make suitable examination of the premises named, and to satisfy himself as to the fitness thereof in respect to cleanliness.

This is important also in respect to private families making up at home clothing for shops and stores. If the inspector is satisfied that the premises are in a suitable state as to sanitary requirements, he issues a license, approved by the chief of the district police; and no person, contractor, firm or corporation can, without violation of law, give to any person not holding said license any garments or articles of wearing apparel intended for sale to be made in any private house or room as aforesaid.

It is also required by the law in question that every such place shall be kept in a cleanly state, and that each of said garments made, altered, repaired or finished for sale in any of such workshops, private houses or rooms shall be subject to the inspection and examination of the inspectors of the district police, for the purpose of ascertaining whether said garments, or any of them or any part or parts thereof, are in cleanly condition, and free from vermin and every matter of an infectious or contagious nature.

If the inspector finds evidence of an infectious disease present in any workshop, or in goods manufactured or in process of manufacture therein, he must report the same to the chief of the district police, who shall then notify the State Board of Health to examine said workshop and the materials used therein; and if said Board shall find said shop in an unhealthy condition, or the clothing and materials used therein to be unfit for use, said Board shall issue such order or orders as the public safety requires.

If an epidemic of scarlet-fever or diphtheria or small-pox were raging in our Commonwealth or in any city or town thereof, among the most obvious means of stamping it out would be a speedy and thorough examination of the tenement houses in which the so-called sweating system is in operation. The germs of any filthy disease might easily lurk in some of the crowded, unventilated and dirty rooms occupied by people who are employed in working upon garments given out by contractors and a certain class of ready-made-clothing dealers. Some of these places are basements with low ceilings, reeking with dampness and bad odors; and it requires no special exercise of the imagination to believe that garments must become saturated in some degree with the foul particles of disease.

What better measure of prevention of such epidemics can be provided than the most rigid inspection of the tenements or places where it is proposed to do this sort of work? The law forbidding the making, altering, repairing or finishing of garments in unsanitary places will not enforce itself. It must be supported by an aroused and indignant public sentiment. Whenever it becomes apparent, as in a time of epidemic it may be, that the public safety is endangered by the existence of such plague-breeding spots, the Board of Health performs its most important public duties, not by waiting until an epidemic breaks out, but by constantly keeping the sanitary condition of the community at its highest point. And this department can do much to reinforce such efforts to protect the public health against the invasions of disease and the perils of infection already indicated.

It ought to be said in this connection that the larger dealers in the clothing made in tenement houses and private homes that come within the scope of the law under consideration render most valuable assistance to our inspectors, by requiring all applicants for work of this kind to produce a license from this department. This is the simplest way in which these manufacturers can assure themselves that the applicants have complied with the inspection law, and will relieve themselves from the embarrassments of a prosecution.

During the year it became my duty to cause several parties to be summoned into court and complained of for vio-

lation of section 44, chapter 508 of the Acts of 1894, in relation to the manufacture of clothing in a house, room or place used as a dwelling, without having procured a license from this office. When the evidence of the government had been put in, His Honor observed that in his view of the law it would be very difficult if not impossible for the prosecution to sustain its case, even if all the material allegations of the complaint were supported by the evidence. For instance, how could it be proved that the apparel or garments of any description so found by the inspector were "intended for sale." A merchant may have a number of articles made, and it would be most difficult to prove any intention on his part to sell them. To this it was replied by counsel that the court might draw reasonable inferences as to the intent to sell, from certain facts that had already been shown in evidence. It was not rational, on the other hand, to assume that goods upon the counters or shelves of a store, workshop or other place, handled in business transactions, were held for the purpose of gift or barter or otherwise similar disposition. Then must the prosecution trace each separate article of wearing apparel so found by the inspector from the hand or custody of the merchant or contractor to the tenement where it was made up, thence back to the owner of the goods? It did not seem like a proper construction of the law; but the court seemed to think otherwise, and discharged the defendants.

In this case the testimony of the officer was clear upon every point; but the witnesses, who were the parties occupying the premises and doing the work in question, were very unsatisfactory. What they had stated to the officers when the latter first visited the premises so used had utterly gone from their recollection. In two other cases in the same court, before another judge, the result was different. Both of the defendants were convicted and fined fifty dollars each. In these cases the witnesses for the prosecution corroborated the testimony of the officers. On the stand they told the same story they had given the officers in charge of the investigation. Here the counsel for the defendant contended that the government had not proved its case against his clients, within the meaning of the statute, because only one of the

three rooms occupied by the person who did the work, and claimed by the prosecution as rooms of habitation, was used in the processes of work upon garments. This was replied to by counsel for the government by citing the language of the section upon which the complaint was drawn :—

SECTION 44. Whenever any house, room or place used as a dwelling is also used for the purpose of carrying on any process of making, altering, repairing or finishing for sale any ready-made coats, vests, trousers, overcoats or any wearing apparel of any description whatsoever, intended for sale, it shall, within the meaning of this act, be deemed a workshop.

It did not matter whether the work was exclusively in one of the three rooms, or in a single room set apart for such work ; if used as a dwelling-house, it was a workshop within the meaning of the law, and the occupant who did that sort of work in such place must procure the license required. The court took the same view of the law as defined by counsel for the prosecution, and convicted both defendants. The moral effect of such a termination of these latter cases cannot but be salutary ; and I am confident, now that the law has been sustained, that greater care will be exercised by those whom the penalties affect.

But the history of the investigation and results of these cases will not be a complete success unless I am permitted to make certain suggestions touching the law itself. In what is known as the liquor law, in the earliest prosecutions there were considerable successful evasions of the statute as respected sales of liquor. Unless money was actually seen to be passed upon the delivery of liquor, and all evidence of a complete sale and delivery was presented at the trial, the defence that the transaction was not a sale of liquor within the meaning of the law, but that it was quite as probable that it was a gift, prevailed in many cases. The law was rapidly being brought into disrepute, and the ends of justice defeated. After considerable experience of that sort in our courts the Legislature amended the law so that delivery of the liquor in such cases was “*prima facie*” evidence of a sale, and that placed the burden of proof where it belonged. The defendant may show, if he can, that the delivery of the

liquor was a gift, and the prosecution is therefore no longer required to prove that it was a sale; except, of course, that it may offer testimony tending to show a sale, in rebuttal of that given by the defence. Now, why should the prosecution in these so-called tenement-house-clothing cases be required to prove that the garments in question are "intended for sale"? Why should it not be "*prima facie*" evidence of such, if these articles of wearing apparel so found are proven to be the property of the individual, firm or contractor delivering them to the occupants of the inspected places? What violation of private rights would there be, what hardships imposed upon any party, if the words "intended for sale" were stricken from the law?

ELEVATORS.

In the line of modern conveniences in connection with the larger class of buildings used for offices, as well as those erected for mercantile purposes, among the most conspicuous and popular are passenger elevators. As their use became more common, imperfections of construction and management and the absence of preventives in the event of the breakage of machinery made it apparent to the Legislature that certain restrictions and guards should be imposed, in order that casualties might be avoided and public safety assured.

The employment of young and heedless boys, who were inclined to relieve the monotony of their work by reading while on duty, or who were disposed to be reckless, and cause serious accidents and other disasters, resulting from the breaking of the shipper rope and the lack of any suitable means of stopping the fall of the elevator cab or car in such an emergency, has ceased; and at last the limit of age of persons in charge of elevators running at a speed of over two hundred feet per minute has been fixed at eighteen years.

If an elevator, whether used for freight or passengers, is discovered upon inspection to be unsafe or dangerous to use, or not constructed in the manner required by law, a notice is posted upon the entrance to or on the door of the cab by the inspector, and its further use prohibited until it is made safe to the satisfaction of the inspector.

In factories, mercantile establishments or public buildings, “the openings of all hoistways, hatchways, elevators and well-holes upon every floor of a factory or mercantile or public building shall be protected by good and sufficient trap doors or self-closing hatches and safety catches, or such other safeguards as the inspectors of factories and public buildings direct; and all due diligence shall be used to keep such trap doors closed at all times except when in actual use by the occupant of the building having the use and control of the same. All elevator cabs or cars, whether used for freight or passengers, shall be provided with some suitable mechanical device, to be approved by the inspectors of factories and public buildings, whereby the cabs or cars will be securely held in event of accident to the shipper rope or hoisting machinery, or from any similar cause.”

Experience has shown that in the handling of elevators, as in the management of all machinery, no possible precaution as to the prevention of accidents is complete unless those who are in charge are alert and vigilant. Taking into account the vast number daily using elevators in our Commonwealth, the youthfulness of the majority of custodians, the extreme speed at which many of the elevators are running (a velocity which is much greater than formerly), it is remarkable that so few serious accidents have been reported. One of the most dangerous practices of those in charge of elevators is that of starting before the door of the landing they are leaving is securely closed. A little time is thus gained, but at the expense of great risk to life.

I am still of the opinion that some limit of speed should be fixed by law, so that elevators may be operated with more regard to safety than is possible under existing conditions.

ACCIDENTS IN MANUFACTURING AND MERCANTILE ESTABLISHMENTS.

By the statute I am required to keep a record of all accidents which occur in any factory, manufacturing or mercantile establishment, whenever the accident results in the death of the employee, or causes more than a temporary disability; to acknowledge by written or printed form the receipt of the required notice of such accident so reported,

together with a statement of the name of the person injured, the city or town where the accident occurred and the cause thereof; and to include an abstract of said record in my annual report. Such a record is of much value, as it tends to show, among other things, what accidents may be regarded as preventable, and what legislation, if any, is required for the further protection from such casualties of operatives and others employed.

The greatest possible publicity should be given, through careful and accurate statements of all the facts and circumstances attendant upon the class of accidents covered by the statute. If, for instance, we learn from such reports that the speed at which passenger elevators are run or the manner in which they are managed in other respects tends to imperil public safety, the way is clear to rectify the evil.

In the use of machinery there is much to learn in order to guard against danger. The remarkable growth and development of power generated by electricity opens new possibilities of accidents far beyond the boundaries of previous experience. The invention and introduction of novel and intricate machines which are constantly going on suggest the wisest methods of prevention which may be devised by human skill.

SPECIFICATIONS TO BE FURNISHED TO WEAVERS IN COTTON FACTORIES.

As the result of the representations made by those interested in relation to alleged injustice to certain operatives in cotton factories, an act was passed, the enforcement of which is entrusted to the factory inspectors of this department. It is as follows:—

Chapter 534, Acts of 1894.

AN ACT REQUIRING SPECIFICATIONS TO BE FURNISHED TO PERSONS EMPLOYED IN COTTON FACTORIES.

SECTION 1. The occupier or manager of every cotton factory shall supply with each warp, to each person engaged as a weaver in said factory who is paid by the piece, cut or yard, a printed or written ticket containing the following specifications as to the work to be done and wages paid, to wit:— The number of cuts; the number of yards per cut or piece; the price per yard, cut or piece;

the number of picks per inch; the number of reeds to the inch. Said occupier or manager shall also supply to each person engaged as a frame-tender a specification of the number of roving and price per hank or hanks; and to each person engaged as a warper or web-drawer a specification of the number of threads in the warp and the rate of compensation; and to each operative who is paid by the pound a specification of the price to be paid per pound or pounds; said specification to be furnished in each case on a printed or written ticket within seven days from the time that said operative begins work.

SECT. 2. Any occupier or manager of a cotton factory who fails to comply with the provisions of the preceding section shall, for the first offence, be punished by fine not exceeding fifty dollars and not less than twenty-five dollars, and for each subsequent offence by fine not exceeding one hundred dollars and not less than fifty dollars.

SECT. 3. The members of the inspection department of the district police force shall enforce the provisions of this act.

VENTILATION AND OTHER SANITARY PROVISIONS IN FACTORIES, SCHOOL-HOUSES AND PUBLIC BUILDINGS.

It is a remarkable fact, familiar to those who have had a part in the framing and enforcement of so-called labor legislation, that the vastly important matter of suitable sanitary provisions for the comfort and health of operatives and others attracted less attention or for some reason was not regarded as of equal urgency with laws limiting the hours of labor and requiring certain schooling preliminary to employment. It is true that in certain foreign countries, notably in Great Britain, there has been some piecemeal legislation relating to special occupations; but the broader and more scientific knowledge of the present day in this country has been enlisted in behalf of those employed in factories and workshops to an extent that should be surprising to those not familiar with recent legislation, especially in our own State.

A few years ago so general was the interest in the public mind that lectures upon sanitary science in its relation to dwelling-houses and other buildings were so popular that multitudes found them to be as interesting as topics of a less technical character. The literature of the subject has grown

to considerable proportions. Systems of ventilation more or less effective and rational have been discussed with much zeal and learning. Imperfect drainage, crude and comparatively useless appliances in our school-houses, factories and public buildings, served to call attention to the evils they were ineffective to cope with and stimulated discussion. The inventive genius that is so general though often latent in our American people was challenged to an investigation of methods and a search for better results.

It seems almost incredible that in the remote past the great body of our common-school teachers relied generally upon the doors and windows of the school-room for the purpose of ventilation. Those in charge of halls, churches, public buildings and the like seemed wholly unaware of the necessity of changing the air after occupancy, much less of doing so during use. Filthy air is as disgusting as foul water, and no more conducive to health.

In the homes of the people a generation or two ago the evils of a lack of ventilation were somewhat lessened by the open fireplaces and the method of building houses. There was a better circulation of air in dwellings then than since the introduction of furnaces for heating. The cold-air box and the water pan of furnaces are intended to mitigate the evils of that method of heating. We spend a large portion of our domestic life in a dry, superheated atmosphere, relying upon double sashes and weather strips to exclude all fresh air. But stale air is as unwholesome as stale water. It is now one of the primary truths of sanitary science that perfect drainage, complete ventilation and cleanly surroundings are the necessary conditions of public life.

Medical statistics convey valuable information relative to the causes of what are called preventable diseases. When the water in streams is low and the mud flats are exposed to the hot sun, the conditions are right for malaria. The system is filled with the poison of those impurities. It is dangerous to health and life to inhale such an atmosphere. The water so infected is wholly unfit for domestic use. The air is laden with the germs of disease, and when the human system absorbs enough of it the results are soon apparent. Then there must be a free and constant circulation in rooms

occupied even temporarily by human beings, otherwise the exhalations from the pores of the body and from the lungs, together with other germs, are again breathed and consequently are more or less injurious. What is more common than the immediate change in the appearance and manner of an audience that have been seated for a long time in a close, crowded hall or church, when the janitor lets in from some source an ample supply of fresh air? The sleepy, sluggish people were being slowly poisoned; the change of air revives and saves them.

An entire family from some unknown cause is prostrated by illness. Investigation discloses the fact that a drain is stopped up or corroded or the connections broken, and sewer gas escapes into the dwelling-house. The ancient remedy of whitewashing the cellar walls and depending upon some crude scheme of scattering disinfectants is not now deemed to be sufficient. It is not enough to dilute foul air or substitute one bad odor for another, under the delusion that to disinfect a space is sufficient to make the surroundings wholesome. The only radical cure for bad air and defective drainage is to remove the cause or causes.

It was once deemed sufficient, in order to ventilate a room, that some device should be provided to force into it the current of air. The better method provides that there shall be an intimate relation between the heating and the ventilation of the place to be heated; and that system only can be depended upon which is best adapted to expel foul air and introduce pure air at the same time and in sufficient quantity.

Ventilation Practically Considered.

One of the definitions of the word ventilation is, “to furnish a supply of fresh air;” but in its broader view it is used not only to denote the supplying of fresh air but the removal of foul air as well, and having the supply of fresh air of the proper temperature, moisture and purity.

It is a well-known fact that the artificial heating of air renders it less sensibly moist than when cold, and this loss should in some way be supplied. In rooms heated by furnaces the air is moistened by the use of water pans, and by placing

shallow vessels of water when heated by stoves. Difference exists as to the amount of atmospheric moisture required by different individuals, but arrangement should always be made to suit the average needs of the majority.

The necessity for the renewal of air in a room comes principally from the vitiation of the air by the breath and exhalations from the body and clothes, which in a school-room or hall containing a large number of persons is made apparent in a very short time. In proper ventilation not only is the fresh air to be supplied but the foul air must be removed; and with proper construction the removal of vitiated air and the supply of fresh air has now become a simple matter. In nature this change is effected by currents of wind. In the ventilation of buildings the natural method of ventilation, owing to the varying conditions of temperature and barometric pressure from day to day, cannot be relied upon, as a change in the wind produces a stopping of the air in the flues. It has also been seen that when the weather is sultry and oppressive the atmosphere has not sufficient weight to displace the air in the foul-air flues. Artificial methods or systems are now applied to secure the desired results.

In this artificial way the principal point to be attended to is that the supply of fresh air is of the proper temperature and sufficient in quantity, while in the matter of the foul air it is important that the point from which it is removed should be placed where it will meet with the least resistance. As the principal source of contamination of the air in the occupied apartments is the breath, many of the writers on ventilation have given to vitiated air the phenomenal power of being heavier than pure air, and have also stated that the proper place to remove foul air is at the floor level. Experience has shown that some direct means for the removal of foul air should be secured, and the nearer the means of removal are to the sources of contamination, the better the results.

In all systems of ventilation it is essential that a constant current of air should be maintained by keeping the inlets and outlets always open; and when a difference of the temperature is desired, it should be effected by increasing or diminishing the amount of cold air supplied.

The power used in some of the methods of ventilation which have been applied to school-houses during the past few years to effect a change of air has been the exhaust fan or vacuum movement, and in some cases the “plenum” or forcing in of air. The forcing of abundant fresh air into a room will drive out the air at every outlet, and prevent the intrusion of cold currents through cracks and doorways in the building; but it will drive the air out mainly at the easiest outlets, and some of the most essential may be neglected because of being the easiest way for the air to pass. The only sure way to get the air out just where you want it to go out is to apply an exhausting force at the outlets to guide and assist the expelling force. Experience has shown that when much power is required the same amount of fuel can be more economically expended through a steam engine and blower than by direct application of heat to a volume of air.

In the report of the superintendent of public buildings of the city of Chelsea, Mass., for the present year, I find the following statement:—

I would call your attention to a few figures, to show that a school building can be well warmed, if it is properly ventilated, cheaper than it can with poor ventilation. In 1888 the Shurtleff school building was enlarged and remodelled; a ventilating system was applied on a modern plan of taking the warm air in at the top of the rooms and foul air out at the bottom. This has worked satisfactorily since it was completed. The Carter, Williams, Broadway, Bloomingdale and high school buildings have been ventilated since that time, doing one building each year. The same system has not been used in all the buildings, but the principle is the same, giving the following results: a saving of fuel from year to year, notwithstanding the fact that the floor area of the school-rooms has been increased by 9,280 square feet from 1888 to 1892.

YEARS.	Cost of Fuel.	Cost per Ton.	Number of Pupils.
1888,	\$4,191 40	\$5 35	5,048
1889,	3,814 46	5 35	4,931
1890,	3,662 87	5 35	4,967
1891,	3,443 04	5 05	4,993
1892,	2,844 93	5 20	5,063

There should be about \$450 added to the cost of fuel for 1892, which will have to be paid in 1893.

It will be seen by the above report that the heating and ventilating of school and other public buildings can be provided without incurring unreasonable expense.

Ventilating Construction.

As a rule, in our public halls, audience rooms and school-houses the fresh air as it enters the room is warmed by furnaces or steam heat. Whatever system is adopted for steam or furnace heat, it should be remembered that the upright shaft is one of the most important factors in obtaining successful results for the removal of the vitiated air, and also to make room for the warm fresh air to enter the openings intended for its use. Cold-air shafts are not to be relied upon. The heating of all ventilating shafts by coils of steam pipe or by stoves is an imperative requirement to secure the removal of foul air from the rooms to be ventilated when mechanical means are not applied. In some of the systems which have been applied to the school buildings in the State during the past few years good results have been obtained, and they have helped to solve the problem of heating and ventilation; but with those who have made a careful study of the laws underlying the whole process it is a settled conclusion that perfect ventilation cannot be reached without the aid of mechanical means.

In large school-rooms it has been found by practical experience that the best results are obtained when the fresh-air inlets are placed six or eight feet above the floor level, and the foul-air outlets near the fresh-air inlets and at the level of the floor.

The question is frequently asked as to what should be the size of inlets, outlets, ducts and shafts for the successful ventilation of school buildings and audience rooms. Experience and careful observation have made clear the fact that it must be determined by the number of persons to whom air is to be supplied, and that the maximum seating capacity of such occupied apartments should be the basis. For example, take a school-room capable of holding sixty pupils: the best

authorities tell us that no less than thirty cubic feet of air per minute is required to maintain a reasonable degree of purity. Taking, then, the low standard mentioned per minute for each individual, sixty persons require sixty times thirty, or eighteen hundred cubic feet per minute. Regardless of the size of the room, we should supply to sixty persons occupying the same eighteen hundred cubic feet of air per minute, and this amount should be the minimum. The number of square feet for the foul-air outlets can be determined by dividing eighteen hundred, the amount of air required per minute for sixty persons, by the amount of air which will pass out of a room through an opening one foot square at the rate of five feet per second. Multiply five by sixty, as there are sixty seconds in a minute, and we have three hundred cubic feet; by dividing eighteen hundred by three hundred it will give six square feet as the size of the foul-air outlets required for a room occupied by sixty persons. With this minimum basis of eighteen hundred cubic feet per hour, or thirty cubic feet per minute for an audience room the seating capacity of which is one hundred, the air moving at the rate of five feet a second, it would require the area of the foul-air outlets to be ten square feet, represented by two outlets five square feet each. When ducts or flues intended for the extraction of foul air are placed horizontally, the additional length should be calculated, as in all cases it increases the friction and modifies the result. The friction caused by horizontal flues or ducts becomes a very important element in reducing the velocity of the discharge of vitiated air.

Having thus provided for the removal of the vitiated air, inlets for the supply of fresh air must be provided. It has been determined in estimating the size of fresh-air inlets that as a rule the reduction of one-fifth the area of the foul-air outlets has proved sufficient for the supply of fresh air. By the use of mechanical means in systems of ventilation the size of the openings for fresh and foul air ducts can be materially reduced.

In any system of artificial heating or ventilation the following essentials are requisite for effective work:—

First. In the construction of foul-air ventilating shafts, turns and angles should as far as possible be avoided.

Second. Foul-air outlets should not be placed in the outer walls of the building, but should be constructed in interior walls or partitions, and at the floor level.

Third. Foul-air shafts should unmistakably lead to the outer air.

All ducts or flues for the admission of pure air and the extraction of foul air should be of the maximum size, that is, they should be calculated for the largest number which the apartment is ever intended to accommodate.

The air ducts for the ventilation of school-rooms should be separate from the appliances used for ventilating the sanitary rooms. Wooden flues or air ducts for heating or ventilating purposes should not be used, and pipes for conveying hot air or steam should not be placed or remain nearer than one inch from any woodwork.

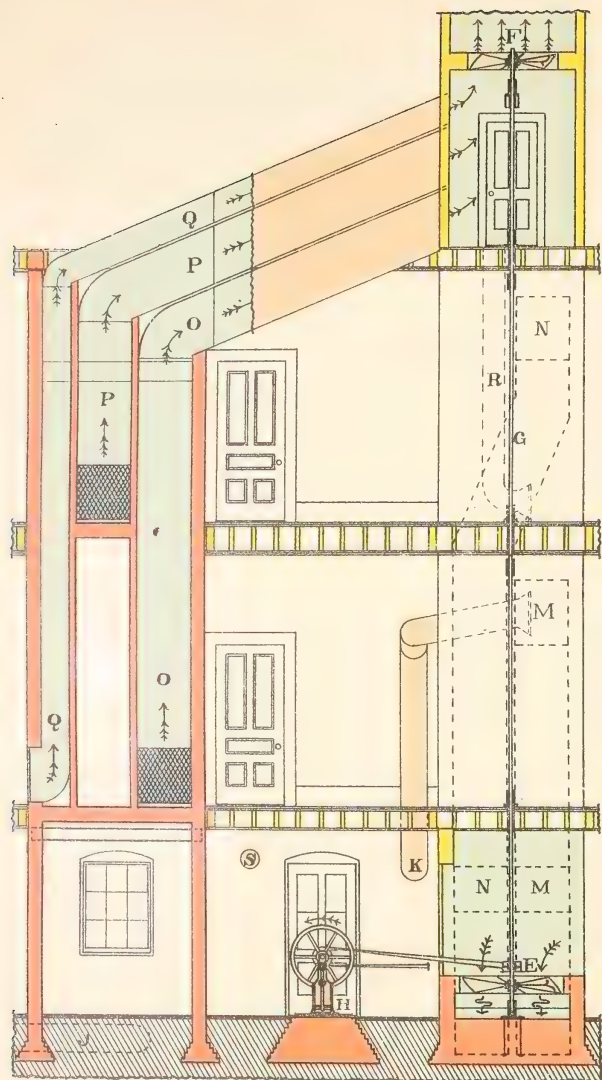
In the management of the heating and ventilation it may be useful to remember that the closing of the warm-air register or of the valve behind the steam coil affects the purity of the air in the school-room, and that the register into the foul-air ventilating shaft should always be kept open.

The temperature of the school-room should never exceed 70° F. or fall below 68° F.

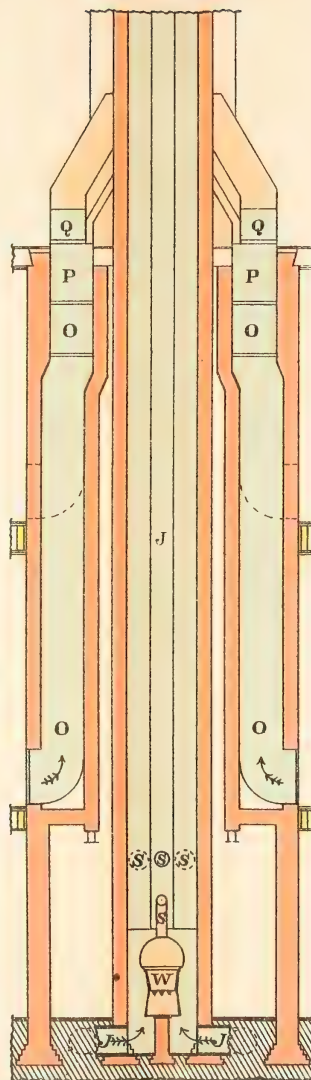
To ascertain accurately the warmth of the air entering the room, there should be placed over each fresh-air inlet a thermometer, and this guide should be frequently consulted.

To show the progress which has been made in this most important branch of this department, I would call attention to the following plans of methods or systems of ventilation designed by the inspectors detailed for the work. Their long experience and the exceptional opportunities afforded them have given the department facts that are worthy of adoption. Those interested in the best achievements in the art of ventilation can obtain much useful and practical information.

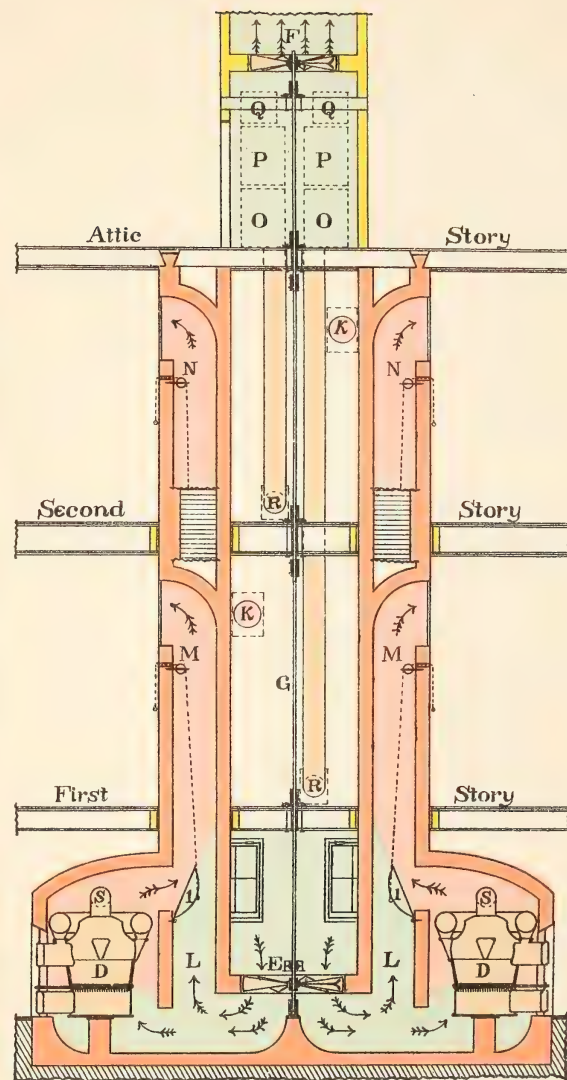
That all interested in this important subject may derive the benefit of the experience of this department, I present in this portion of my report reliable methods of ventilation submitted to me by the inspectors specially assigned to this scientific branch of our inspection work.



Through CC



Through BB



Through AA

Plate V. Sectional Sketches

Ten Feet

Fred'k W. Merriam

BRICK.

WOOD.

WARM AIR.

COLD AIR, FOUL AIR.

IRON WORK.

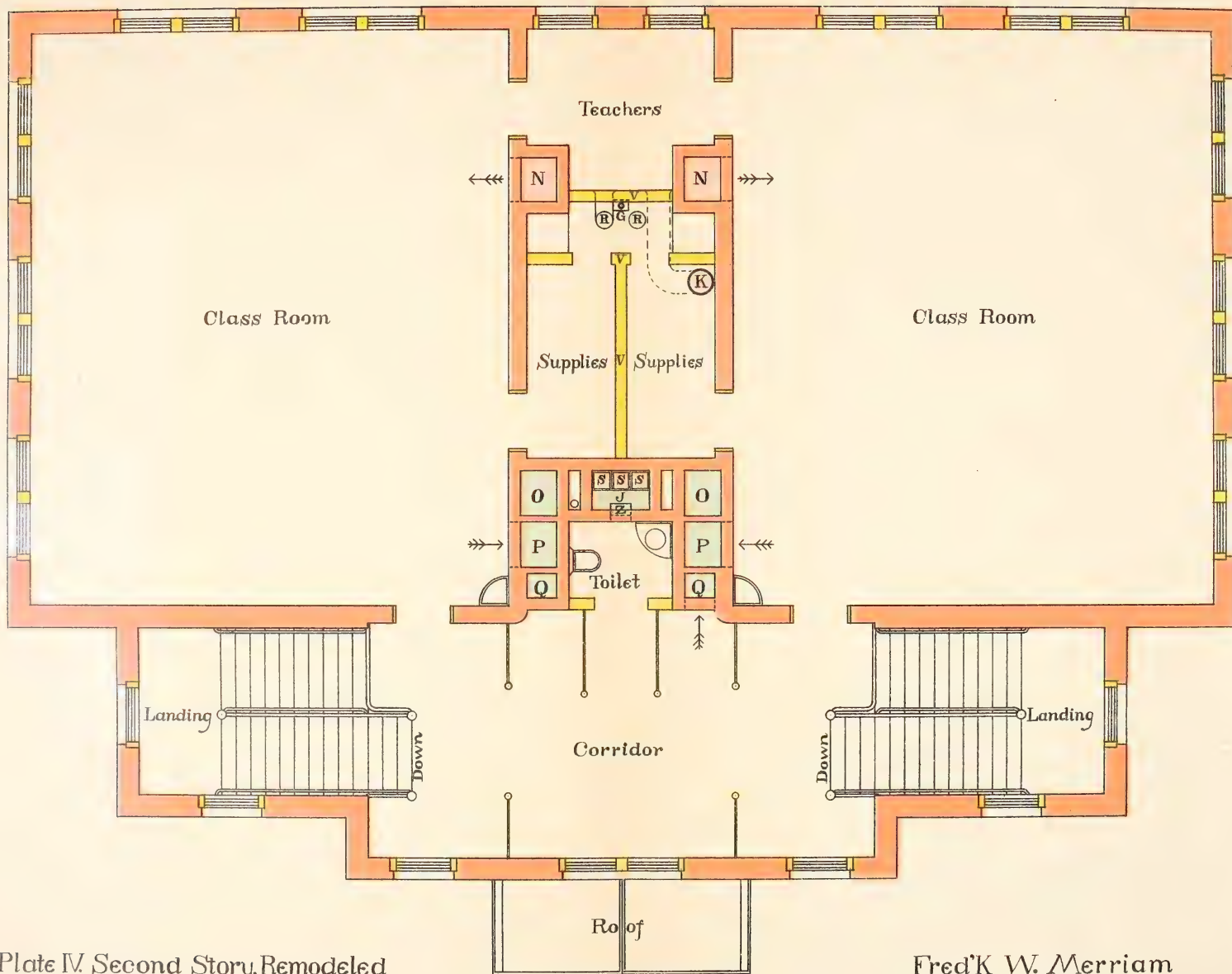


Plate IV. Second Story, Remodeled

Fred'K W. Merriam

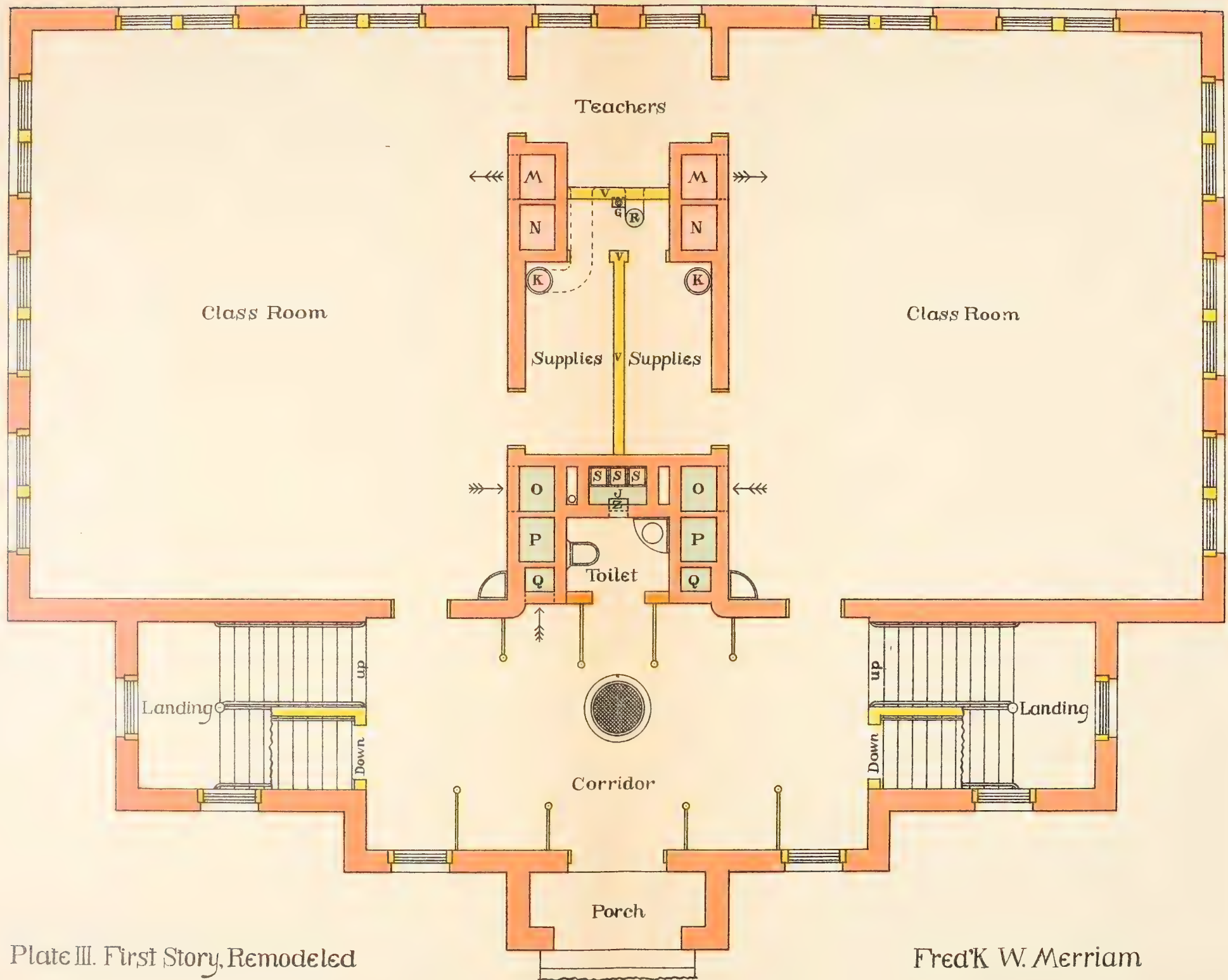


Plate III. First Story, Remodeled

Fred K. W. Merriam

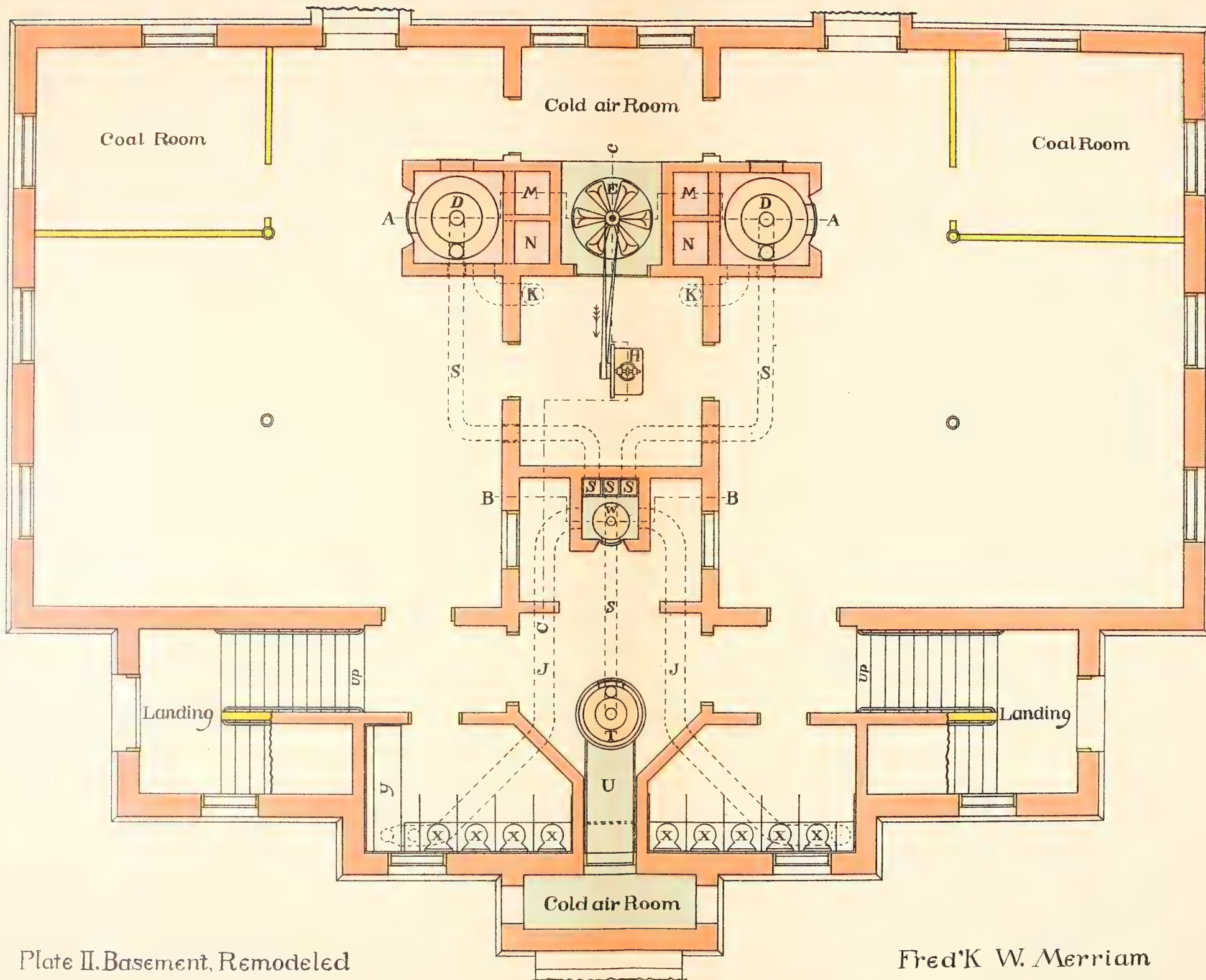


Plate II. Basement, Remodeled

Fred'K W. Merriam

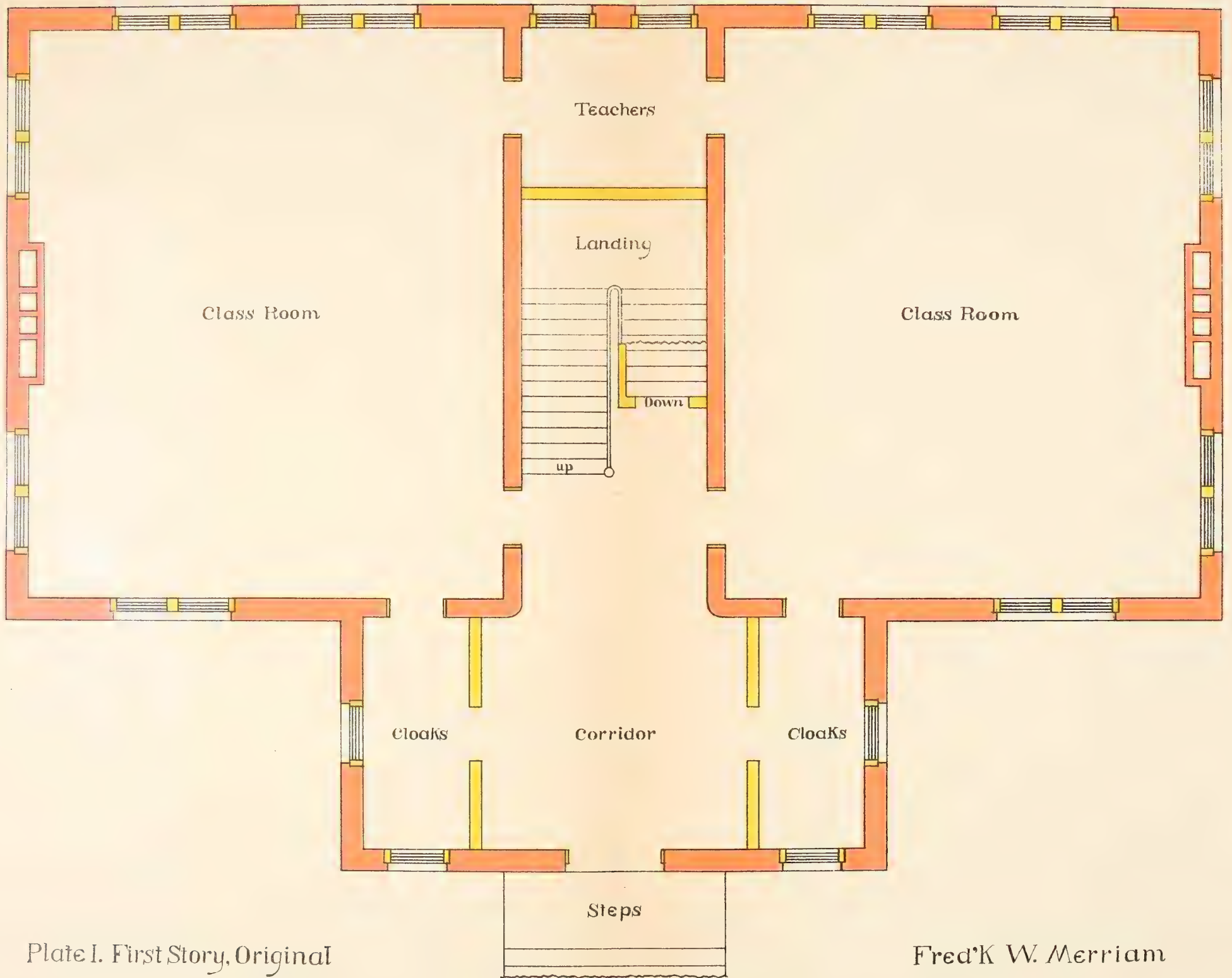


Plate I. First Story, Original

Fred'K W. Merriam

The following plans, drawn by Inspector F. W. Merriam, show a method of heating and ventilating a school building containing four or more school-rooms : —

A VILLAGE SCHOOL BUILDING REMODELLED.

Plate I shows the first story of a two-story brick school building, which is similar to those in many villages throughout the Commonwealth. On each end of the building are chimneys with two smoke and two ventilating flues, the latter connected with the rooms by registers of about one foot area, but no means of creating a circulation of air through them except the heat from the smoke flues connected with the heating apparatus, when in use, which is limited under the most favorable conditions. The rooms are usually warmed by stoves or hot-air furnaces, so called, with floor registers of about one and one-fourth foot area. In some cases direct steam is used.

Plates II, III and IV show the basement, first and second stories of the building, remodelled by a change of stairs, the removal of the end chimneys and substituting windows in their places, and the introduction of a practical system of warming and ventilating and improved sanitary appliances.

Plate V shows three sectional sketches through the warming and ventilating apparatus ; their respective letters and dotted lines on Plate II give their location.

The system or method of warming and ventilating the class and teachers' rooms is a combination of plenum and exhaust fans and furnaces. The corridors are warmed by a combination heater and ventilated by fan. The sanitary rooms are warmed by hot-water circulations from combination heater, and ventilated through sanitariums by underground ducts and a heated flue.

Referring to the plates, the following letters will explain : DD are furnaces for warming the class and teachers' rooms ; G shows shafting with necessary couplings, bearings and step, running perpendicular, with plenum fan E near the lower end taking the air from cold-air room and forcing it in a circular course through furnaces or flues LL to the several rooms, and exhaust fan F at top, blades in reverse, removing the air from the rooms and discharging through cupola or its equivalent ; H is a gas or gasoline engine of suitable power for propelling the fans, and connected in the usual manner ; II are mixing valves connecting with their respective rooms by chains, to enable the teachers to regulate the temperature of incoming air ; MM are warm-air flues and inlets to first-story class-rooms ; NN same to second story ; LL cold air from

fan for mixing ; KK metal warm-air flues to teachers' rooms ; OO exhaust flues from first-story class-rooms ; PP same from second story ; QQ same from corridors ; and RR same from teachers' rooms, all connected with the exhaust fan room in attic story ; S—S smoke flues ; T a combination heater for warming the corridors with warm air and the sanitary rooms and toilets with hot-water circulations ; U cold-air duct to combination heater ; V—V wood partitions in Plates III and IV, omitted in sectional sketches ; W small heater for the constant ventilation of sanitaries ; X—X automatic flushing sanitaries ; Y slate urinal with perforated water pipe on tap ; J—J ventilating ducts from sanitaries ; and ZZ ventilating of toilet rooms.

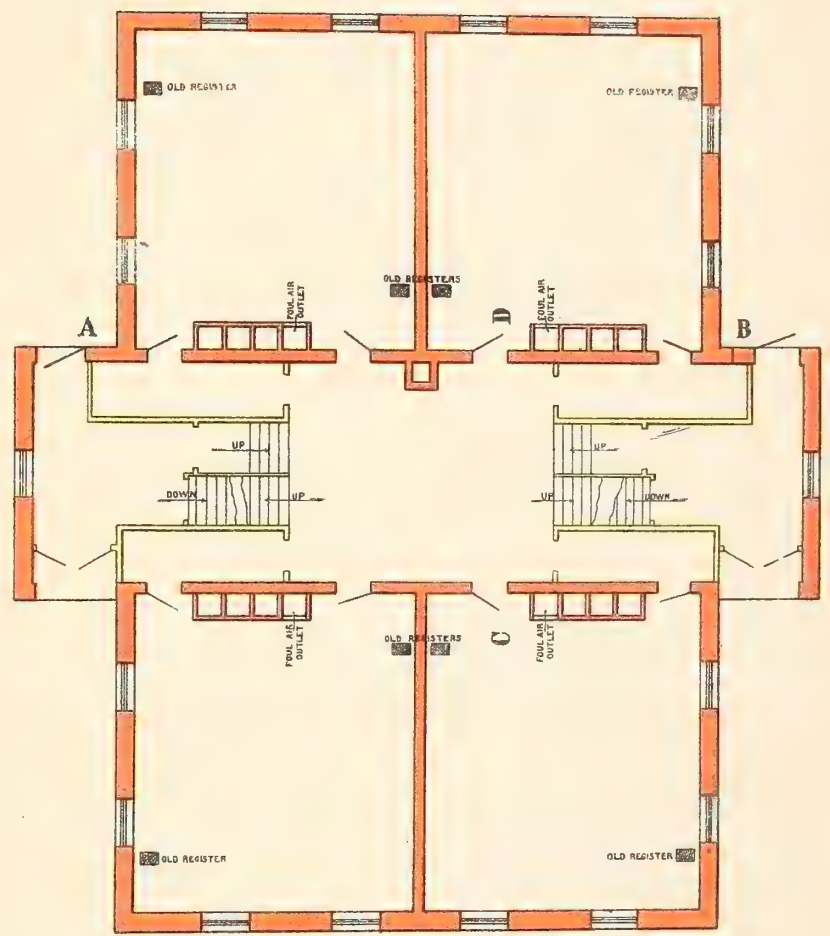
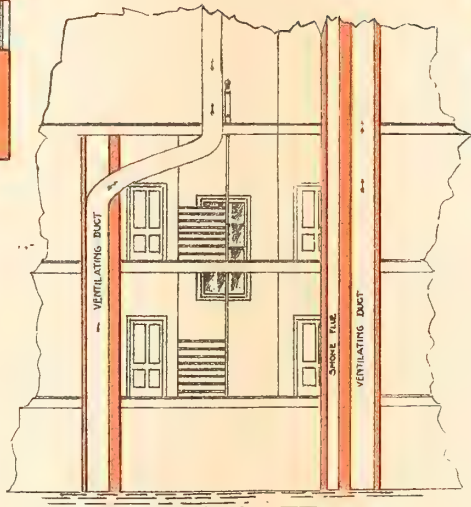
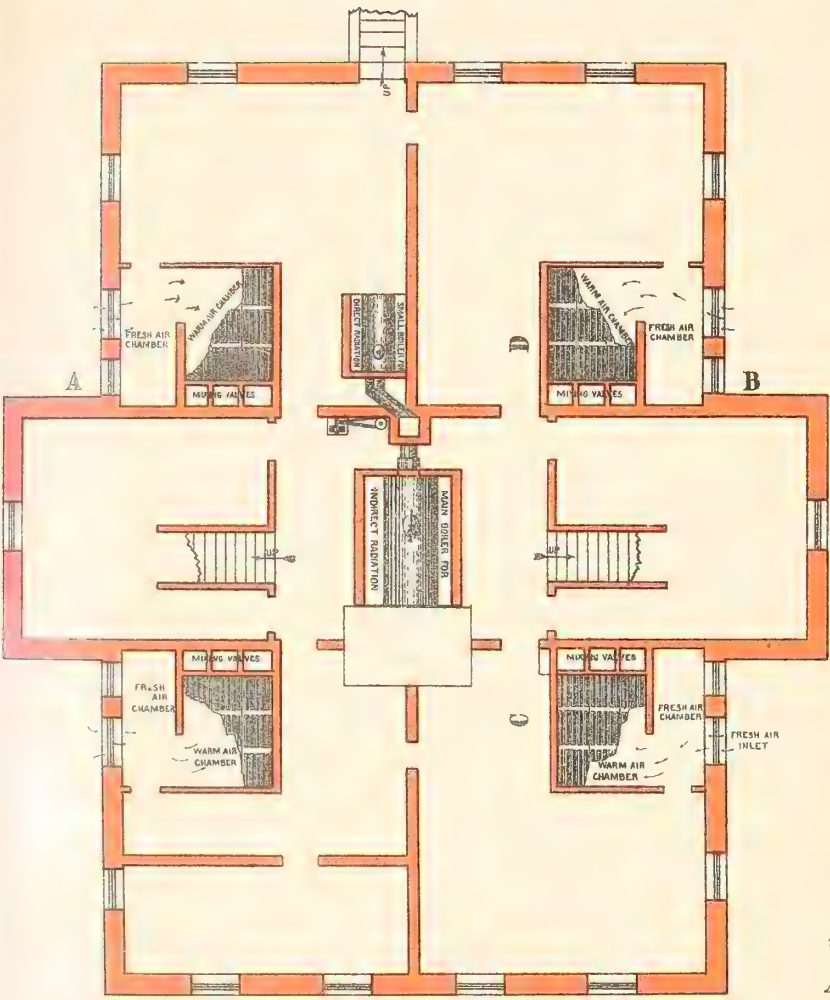
The principles of this system are not new, but the application, which is different from that in general use, is positive in action, economical in power, comparatively noiseless, and applicable to a large class of buildings and circumstances. At minimum speed of engine it will provide each class-room with two thousand cubic feet of air per minute ; at maximum speed, three thousand. The smoke flues in sanitary ventilating flue are fire clay flue linings, and will assist in the work whenever the furnaces are in use. The arrangement and connection of the warm-air and exhaust flues are such that the building will be thoroughly warmed, with economy, when fans are not running.

The following plans, drawn by Inspector Warren S. Buxton, show a method of heating and ventilating a school building containing nine school-rooms, being a description and illustration of the former and present system of heating and ventilating the Worthington Street school building of Springfield, Mass.

This building is a three-story brick structure erected twenty or twenty-five years ago. It contains nine class-rooms, one recitation-room, one principal's office and a large assembly hall in the third story.

It was formerly heated by steam, part direct, part indirect, radiation. The indirect heat was conveyed to each class-room through two 12 by 18 inch registers in floor, located as shown on first-story floor plan.

For ventilating the class-rooms ducts were formed in the outside walls about 4 by 16 inches in size. These ducts were connected with the room by two 12 by 16 inch registers, placed at or near the ceiling. These ducts in the outer wall extended to the top of



BASEMENT PLAN OF WORTHINGTON ST SCHOOL HOUSE

SPRINGFIELD, MASS.

SHOWING THE ARRANGEMENT OF HEATING APPARATUS AS DESIGNED BY

Warren S. Buxton,

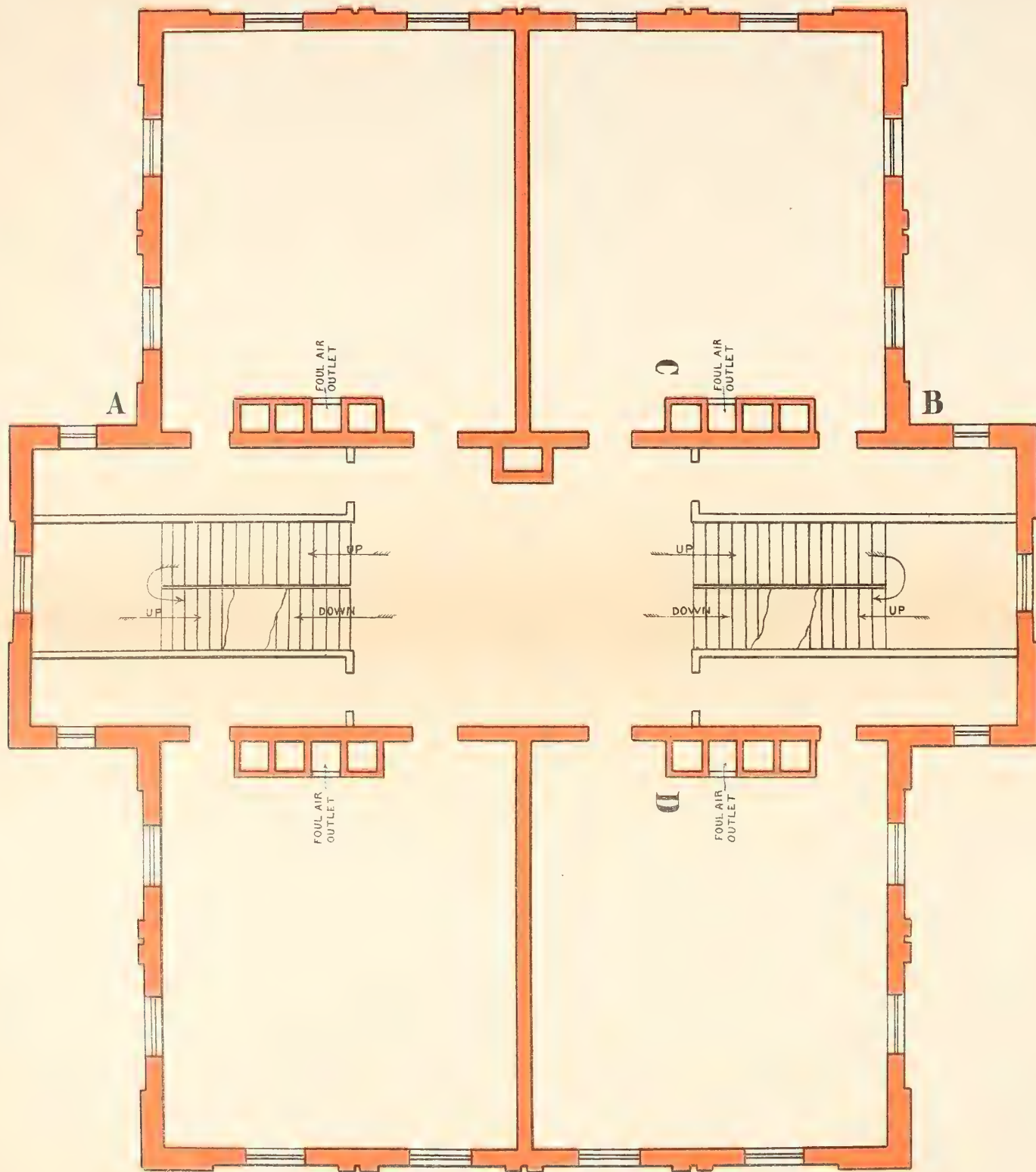
State Inspector of Factories and Public Buildings

LONGITUDINAL SECTION

THROUGH C-D.

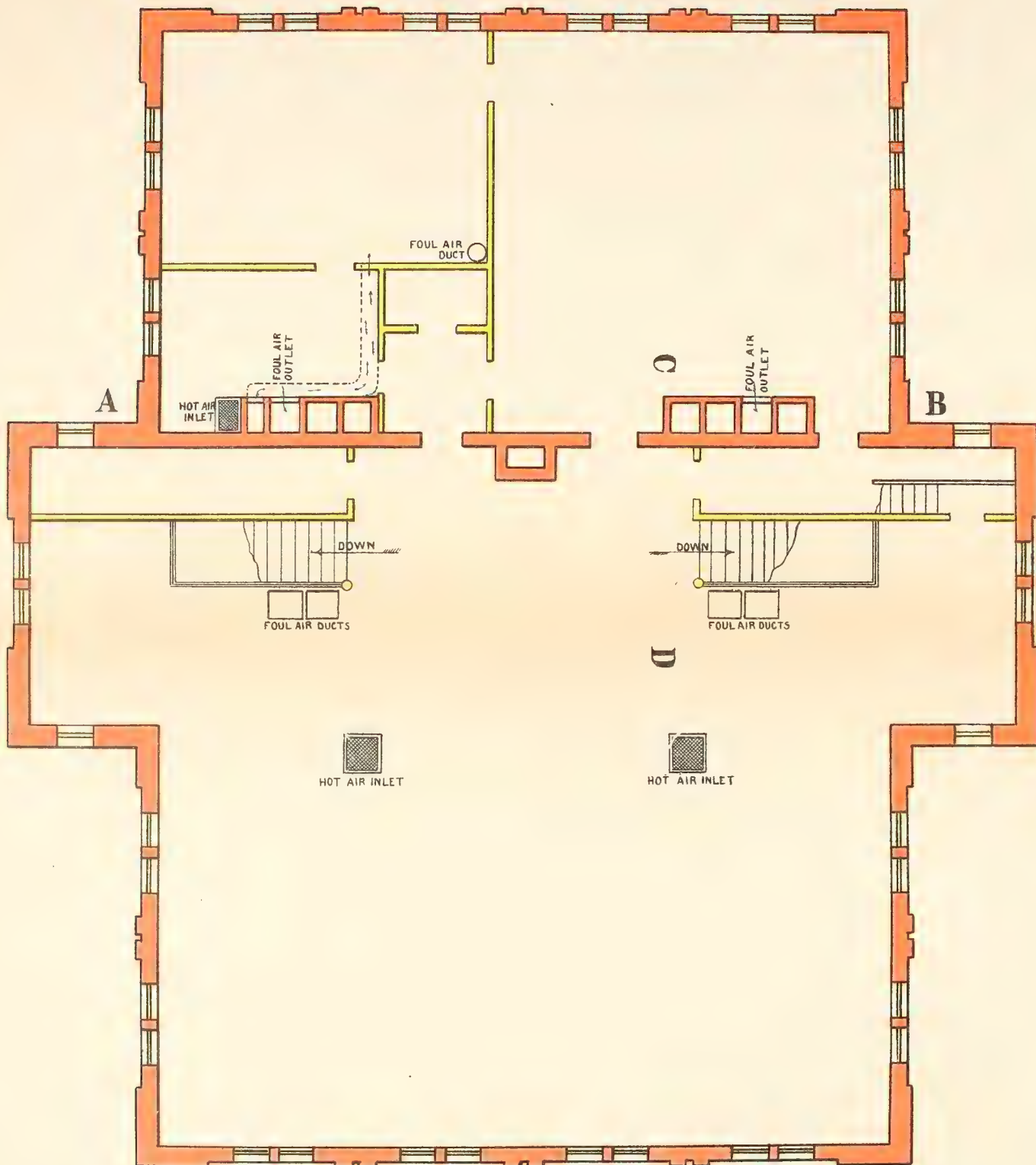
1ST STORY—FLOOR PLAN

SHOWING THE ARRANGEMENT OF WARM AND FOUL AIR DUCTS



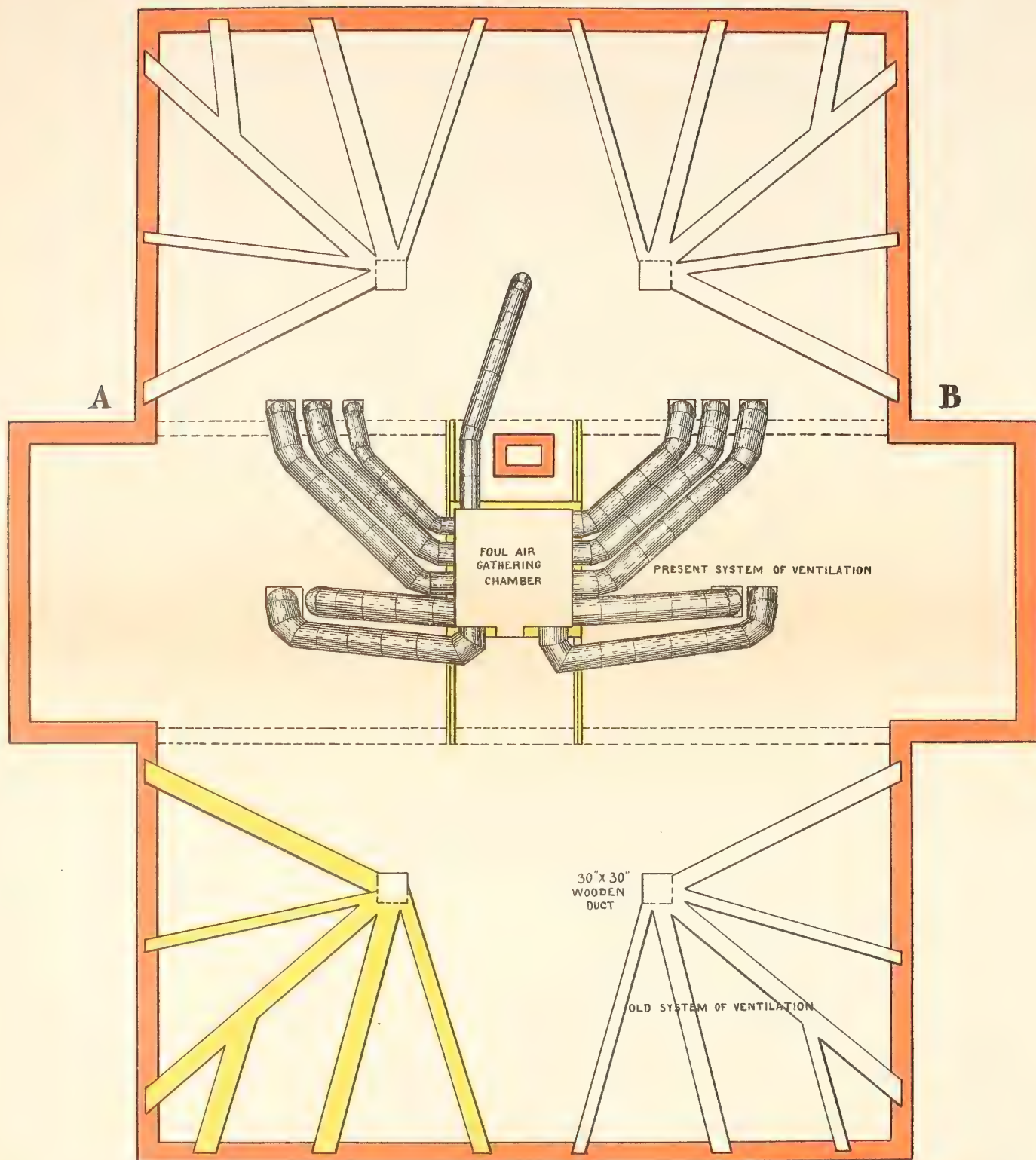
2ND STORY—FLOOR PLAN

SHOWING THE ARRANGEMENT OF WARM AND FOUL AIR DUCTS



3RD STORY—FLOOR PLAN

SHOWING THE ARRANGEMENT OF WARM AND FOUL AIR DUCTS



PLAN of ATTIC FLOOR

SHOWING THE ARRANGEMENT OF OLD AND NEW VENTILATING PIPES



the brick work, and from this point through wooden ducts to a gathering chamber beneath a 30 inch galvanized-iron ventilator placed on the deck roof, as shown on transverse section and attic floor plan. There are four of these ventilators. When there was any movement of air out through these ventilating ducts it was found a large proportion of the pure heated air escaped instead of the vitiated air, thus defeating the object for which they were intended.

The present method of heating and ventilation, known as the mechanical exhaust system, was put in during the long summer vacation in 1893, at a cost of a little over four thousand dollars. The heating is mostly by indirect radiation. There were four warm and cold air chambers constructed in basement, where shown on plans. Each of these chambers was supplied with 810 feet of radiating surface, and each chamber was divided into three independent sections, so that each room had 270 feet, thus avoiding the difficulty of one room getting too much heat by robbing the others. Each of these sections was subdivided into three parts of 90 feet each, so that any one or all of these parts could be used separately. This was done to avoid overheating in mild weather. In the fall or in moderate weather the 90 feet nearest the outlet is usually found sufficient, while in colder weather the others could be added as needed.

Brick flues 22 by 30 inches were constructed for conveying the warm air to the various rooms, as shown on transverse section. Mixing valves were placed at points where the warm air entered these ducts from the chamber, operated in each room by a chain.

To provide for possible emergencies or extreme cold weather, provision for direct heat was made by placing a small boiler in the basement, in addition to the old one, which was used for generating the indirect heat. Each room was provided with direct radiation by placing horizontal pipes under the windows on two sides of each room.

For removing foul air, brick and galvanized-iron ducts were constructed, as shown on the transverse section, with a gathering chamber in the attic. These ducts extend from the basement to attic floor, and are used alternately for warm and foul air, as shown on transverse section. They are connected with the foul-air gathering chamber by galvanized-iron pipes which enter the chamber about four feet above the floor. At the end of each of these pipes is placed an equalizing damper, for the purpose of regulating the amount of air taken from each room.

This foul-air gathering chamber is 10 feet square below the fan and 8 feet square above. It is constructed of wood and lined

throughout with tin. The upper portion extends up through the roof, forming a cupola with slats on all sides, as shown on drawing. At a point about 8 feet above the floor is placed a 48 inch Blackman fan. The walls of the chamber at this point slope on all sides at an angle of 45 degrees toward the fan opening. The fan makes from 250 to 300 revolutions per minute, and is operated by a five-horse-power water motor, placed in basement, as shown on drawings. Extending from the basement to the top of the fan there is a $1\frac{1}{2}$ inch steel shaft, with a pulley at top and bottom. The motor and fan are connected with the pulleys on the shaft by a 3 inch belt.

During the past year numerous tests were made, when it was shown that from 18,000 to 20,000 cubic feet of air were removed from the building per minute. The carbonic acid test showed from 7 to 8 parts to 10,000. The apparatus in both heating and ventilating has given eminently satisfactory results. It is easily seen the great advantage this system has over the gravity method, which is dependent for success upon the temperature and other conditions of the atmosphere, matters wholly beyond human influence; while the mechanical exhaust system is only dependent upon the construction, size of ducts and the capacity of the fan, all of which can be easily controlled.

In closing, it gives me pleasure to present a copy of a letter received by me from the principal of the school, regarding the efficiency of the system:—

SPRINGFIELD, MASS., Oct. 24, 1894.

MR. WARREN S. BUXTON, *State Inspector of Factories and Public Buildings.*

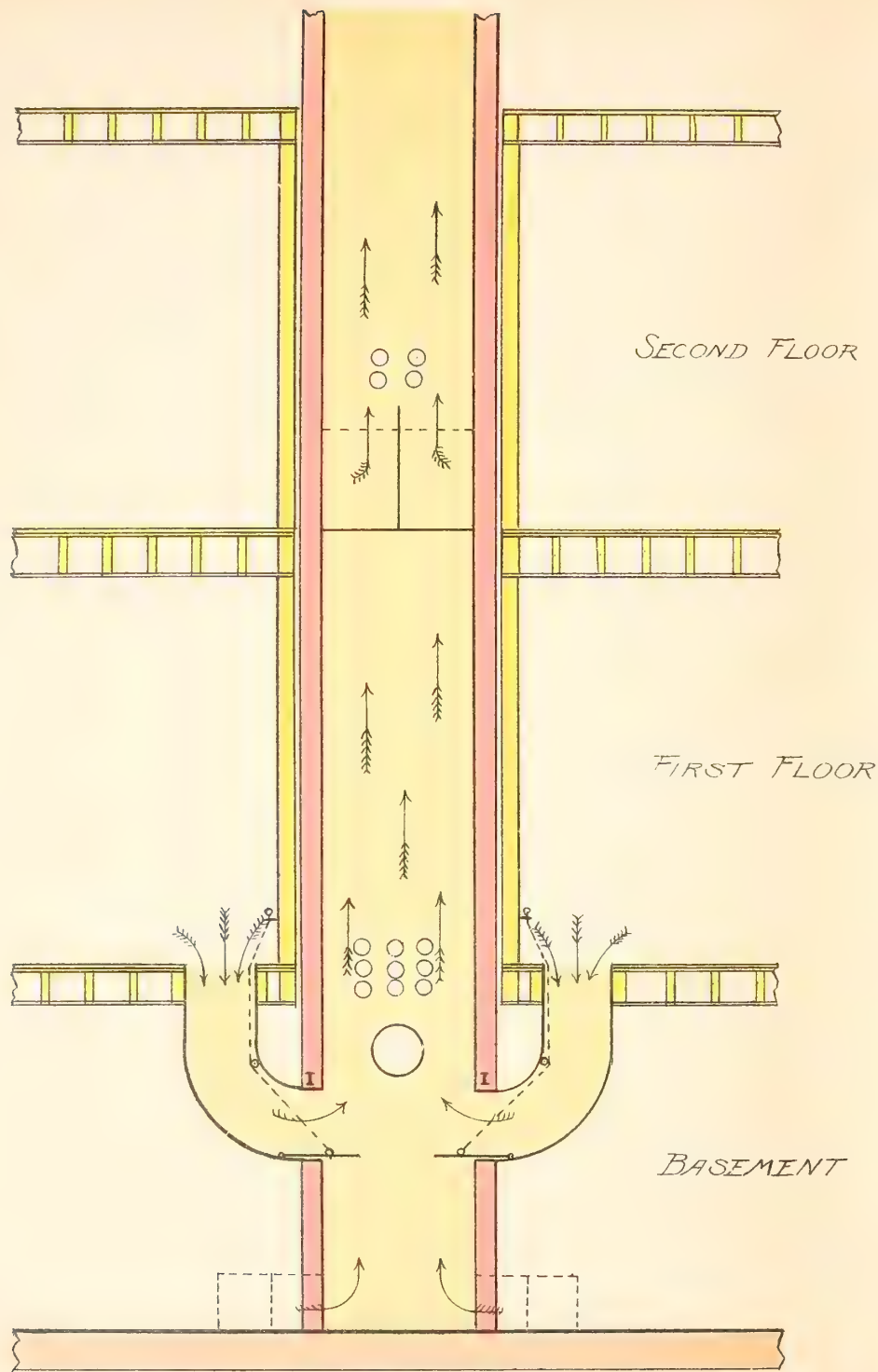
DEAR SIR:—It gives me pleasure to inform you that the system of heating and ventilation placed in the Worthington Street school over a year ago has given, when properly managed, excellent satisfaction.

Formerly the inlets for pure and warm air were small, and the openings for the egress of foul air were also small and placed at or near the ceiling. The warmer and purer air was thus taken from the different rooms, which in severely cold weather were warmed with great difficulty. Since the adoption of the present system we have had plenty of warm, pure air. The building has been free from the odor peculiar to dressing-rooms, corridors, etc., in school buildings.

Pupils and teachers have been more exempt from colds and headaches than ever before, and this fact is, I think, attributable to the atmosphere in which they work.

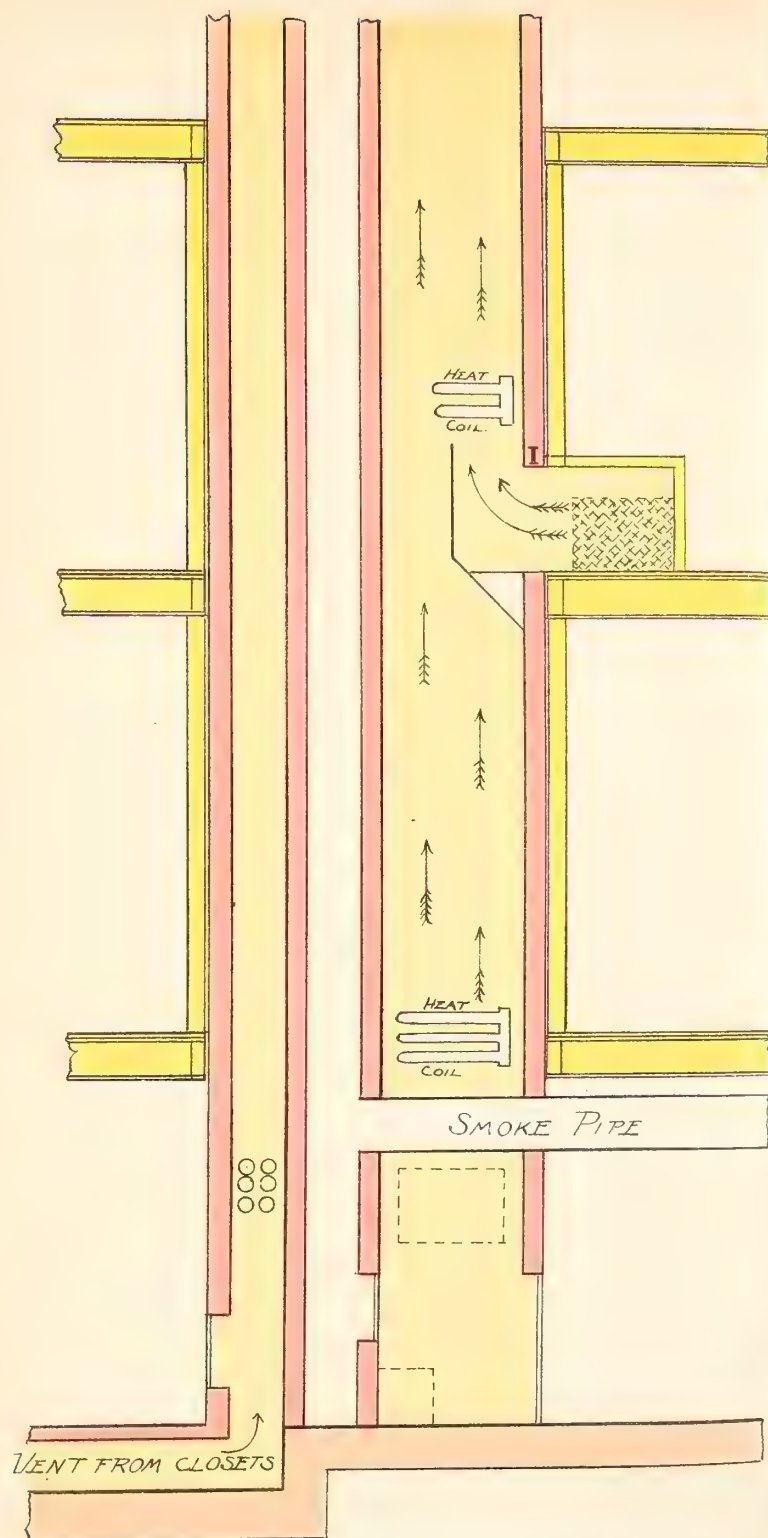
The system is easily managed, and, as far as my observation extends, has no disadvantages connected with it.

Yours truly,
FRED'K W. PEASE, *Principal.*

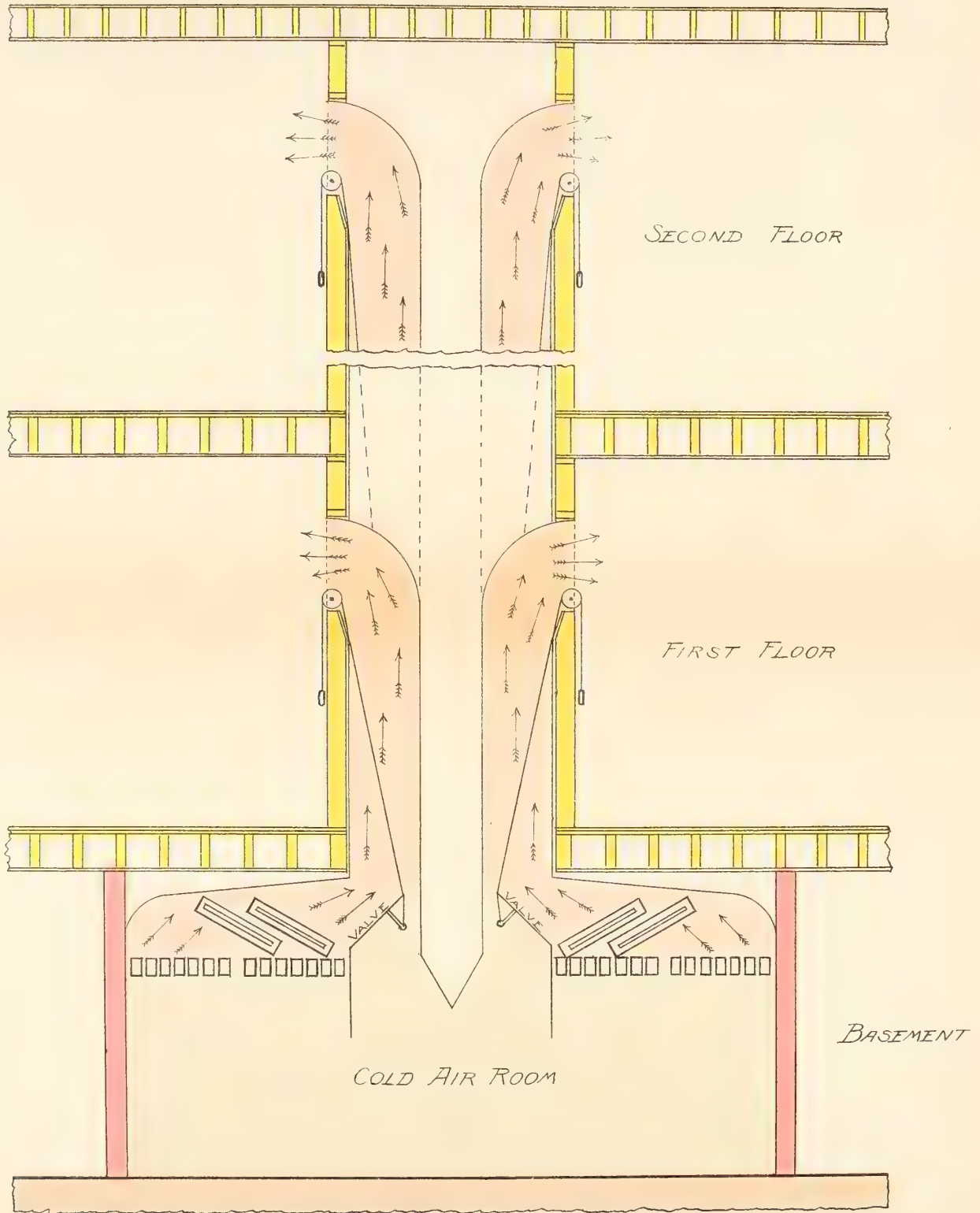


SECTION THROUGH C-D
SEE PLATE A.

JOHN T. WHITE DEL.
Scale of feet
0 5 10



SECTION THROUGH E-F
SEE PLATE A

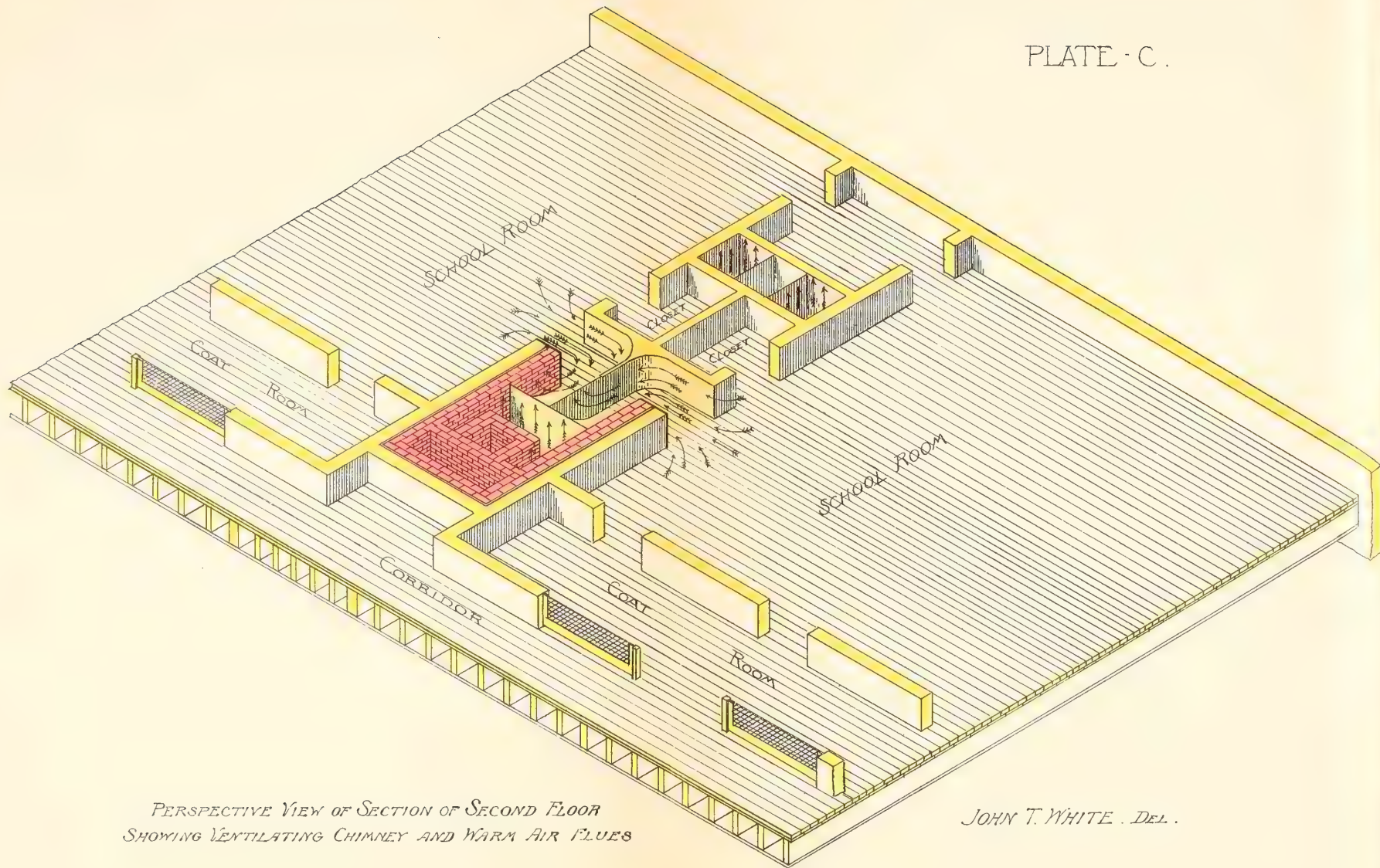


SECTION THROUGH A-B
SEE PLATE A.

JOHN T. WHITE DEL.
Scale of feet



PLATE - C .



PERSPECTIVE VIEW OF SECTION OF SECOND FLOOR
SHOWING VENTILATING CHIMNEY AND WARM AIR FLUES

JOHN T. WHITE . DEL .

SCHOOL ROOM
28x32

SCHOOL ROOM
28x32

COAT

ROOM

COAT

ROOM

FOOT WARMER
CORRIDOR

LIBRARY
OR
CLASS ROOM






FIRST FLOOR

VESTIBULE

VESTIBULE

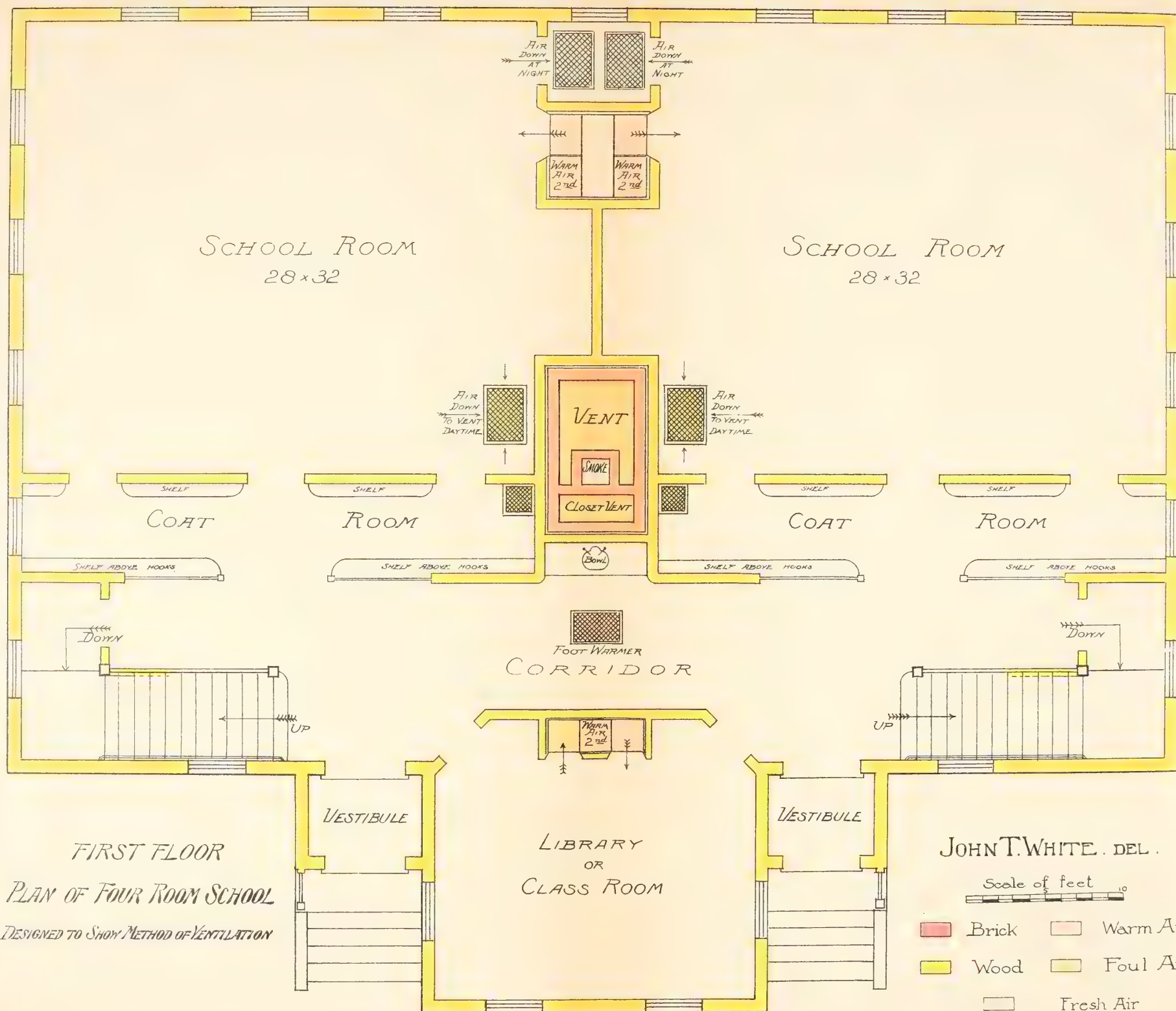
JOHN T. WHITE. DEL.

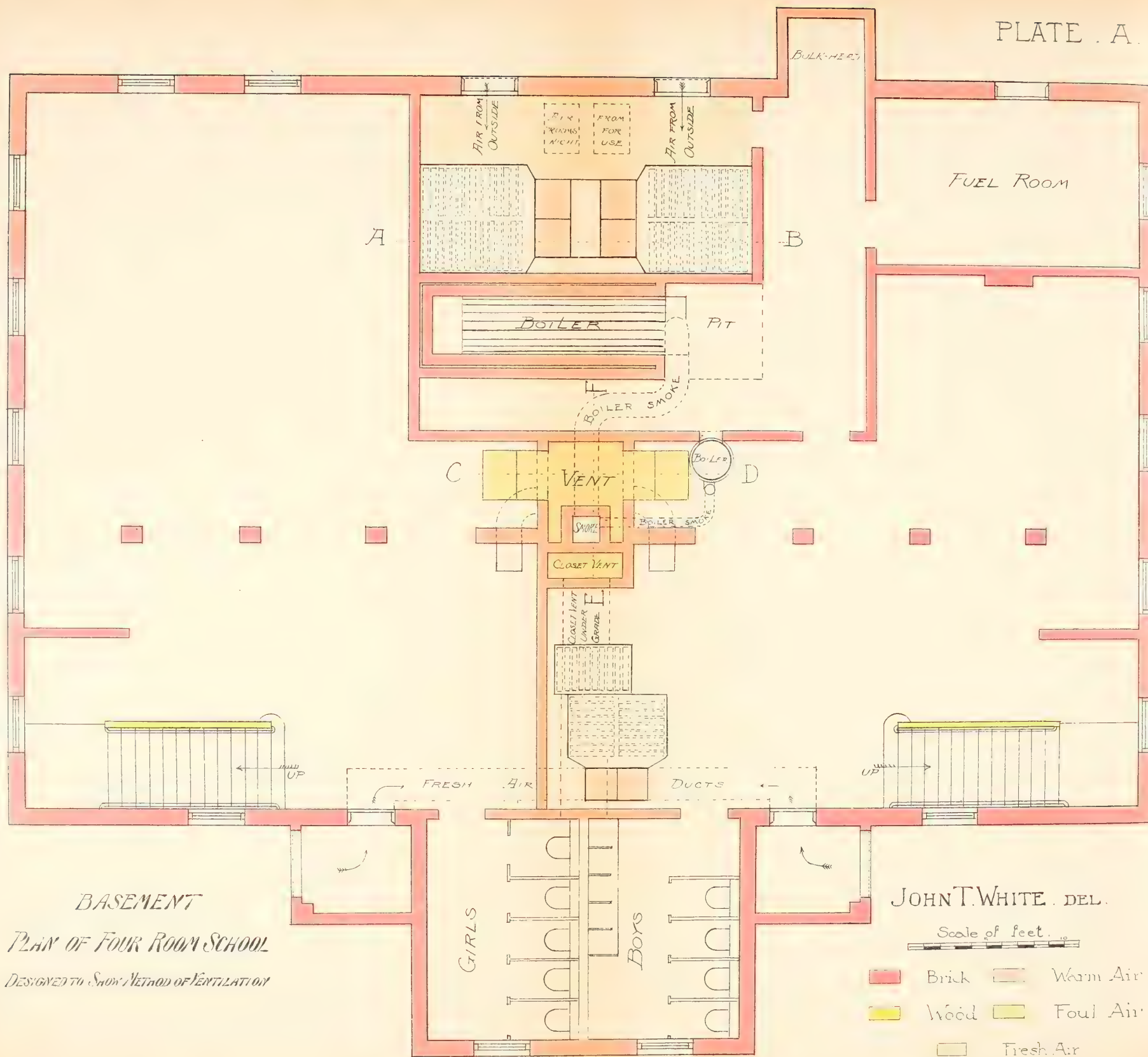
Scale of feet
0 10

- | | | | |
|---|-----------|---|----------|
|  | Brick |  | Warm Air |
|  | Wood |  | Foul Air |
|  | Fresh Air | | |

PLAN OF FOUR ROOM SCHOOL

DESIGNED TO SHOW METHOD OF VENTILATION





The following plans, as drawn and described by Inspector John T. White, show an approved method of heating a school building by steam, and ventilating by what is commonly known as a gravity system : —

In compliance with your request, I have the honor to submit herewith plans for the heating and ventilation of a school building, designed to show the methods which have given the best results in the smaller school buildings in my district.

In my annual report two years ago I submitted plans for a four-room school, heated by furnaces. I now submit plans for a very similar building, to be heated by steam.

These plans are intended to show the proper location and arrangement of the fresh-air rooms, indirect radiators, warm-air flues, mixing valves and ventilating flues, in a two-story building of four rooms, where the air supplied is heated by steam and the foul air removed through brick or metallic flues, also heated by steam pipes, to produce a certain and continuous draft.

The building as shown has four main school-rooms, for forty-eight pupils each, and two class-rooms, or one of the front rooms may be used for a library and the other for the teachers. There are also coat rooms, stairways, corridors and vestibules, all of which are shown on the plans, and need no description.

On the plate marked A is shown the basement plan, with the heating apparatus, fuel room, sanitariums and rooms which can be used as play rooms for the pupils, if desired.

The sanitariums are intended to be of the best make ; individual porcelain closets and slate urinals. Both sanitary rooms are ventilated through and around the closets and urinals by an underground duct of large size, connecting with a special flue in the ventilating chimney ; and this flue is to be heated by a coil of steam pipe with 25 square feet of radiating surface.

The small upright boiler shown is for heating the ventilating flues in mild weather, when the large boiler is not in use.

The location of the indirect radiators is shown on this plan, and a sectional view is given on Plate D of the four principal stacks.

There should be from 350 to 400 square feet of indirect radiation for an ordinary school-room, the amount depending, of course, upon the exposure of the room to the weather, amount of window surface and other conditions.

An opinion seems to prevail among committees and others having charge of school buildings that on the score of economy it is desirable to have as little indirect radiation as possible, and sup-

plement it when necessary by the direct radiators in the rooms; but it is doubtful if there is much to be gained in this way without at the same time reducing the amount of air supply.

For instance: when the temperature outside is at 32° F., we may be heating a room with just sufficient indirect radiation to send in 1,500 cubic feet of air per minute at a temperature of 85° at the inlet. This would probably keep the room at 70°. Now, suppose the outside temperature to fall to 20°. It is manifest that we can no longer keep our room at the required temperature. We can then turn on another section of the indirect radiators, if we have it, and raise the temperature of the incoming air to 95°, or we can use the direct radiation in the room for the same end.

It is easy to see that there can be no great difference in the cost of the two methods; but in using the direct instead of the indirect there may be, and usually is, a very considerable falling off in the air supply, and also in the perfection of the circulation of the air in the room.

I would advise in all cases a sufficient amount of indirect radiation to heat a room in all but very severe weather.

The radiators, as shown on plans, are supplied with air directly from a fresh-air room, without long ducts leading to the outside. In this way the cold air also comes in direct contact with the mixing valves, and can be drawn in when these valves open with the least amount of friction.

The radiators and mixing valves are so set that the cold air when admitted passes up on the back side of the flue, and enters at the top of the opening above the warm air, thus preventing a downward draft of cold air if the two streams are not thoroughly mingled in passing up the flue.

In arranging the radiators for the two front rooms it was impracticable to set them in the same way as for the school-rooms; and I have brought the air in by two ducts, which will tend to equalize the wind pressure.

On Plate B is shown a plan of the first floor. This plan is in general sufficiently clear without description. The vent registers of school-rooms are shown in the floor near the chimney. There are also vent registers as shown from the coat rooms. The two registers shown in the floor of the passage between the rooms communicate with the fresh-air chamber in the basement. Under these registers there should be wooden trap-doors, lined with metal, which can be kept tightly closed during school hours. When the schools are not in session the outside windows to fresh-air room can be closed and these floor registers opened, thus taking the air from the building down to and through the radiators, and return-

ing it again to the rooms, — an economical method of heating the rooms during the night.

On Plate C is a perspective sectional view of a portion of the second floor, showing the location of the warm air and ventilating flues on that floor, and the way in which the air is taken from the rooms to the ventilating shaft.

In some cases, where the air is taken in from each side of a shaft with only an iron diaphragm between, there is complaint of noise from one room to another. I think this can be obviated in the manner shown.

On Plate D is a section through the cold-air room, radiators and warm-air flues. This plate also shows the mixing valves, and the method of operating them from the school-rooms.

It will be noticed that the area of the warm-air registers is considerably greater than the cross-sectional area of the ducts. There is always a space near the bottom of a register where there is little or no movement of air, and this should be allowed for in the height of the register.

It is also advisable to widen the duct as it passes through the partition, as shown on the floor plans, as this tends to sooner diffuse the air in the room.

On Plate E are sectional views of the ventilating chimney, showing the ducts leading from the rooms, and the heating coils in the flues.

There are valves in the ducts from the lower school-rooms, which may be closed at night. Similar valves should be placed in the ducts from the upper rooms, although these are not shown.

The ventilation from the class-rooms is through metal ducts, which meet in the attic and terminate in a ventilator on the roof. A coil of steam pipe should be placed in each flue.

In recapitulation, the following points of this scheme should be carefully noted :—

1. The air to be heated is taken directly from a cold-air room, thus avoiding friction.

2. The size of the warm-air ducts is such as to supply the requisite amount of air to the rooms at a low velocity.

3. The location of the warm-air ducts and foul-air registers. In this building the four school-rooms are lighted on two sides only, while the class-rooms are lighted on three sides. The warm-air registers are in each case located where careful experiment has shown that the best work will be done in circulating air in the rooms.

4. The arrangement of the mixing valves in such a way that the cold air will pass up on the back of the flue.

5. The heating coils in the foul-air ducts are placed above the openings through which the air enters the flue.

This last rule is frequently violated by engineers who ought to know better; and I have found a heater set in the bottom of a stack, with the flues from the rooms opening into the stack near the top of the stove, or perhaps above it.

Of course the only object in presenting these plans is to inform interested parties how the best work is being done. There is probably no school in the State where the arrangement for ventilation is in all ways as here shown; but nearly every detail of the scheme has been thoroughly tested, and in any building where these plans are properly carried out there will be no danger of poor ventilation.

The following plan of a two-room school-house, by Inspector Joseph A. Moore, shows heating and ventilation:—

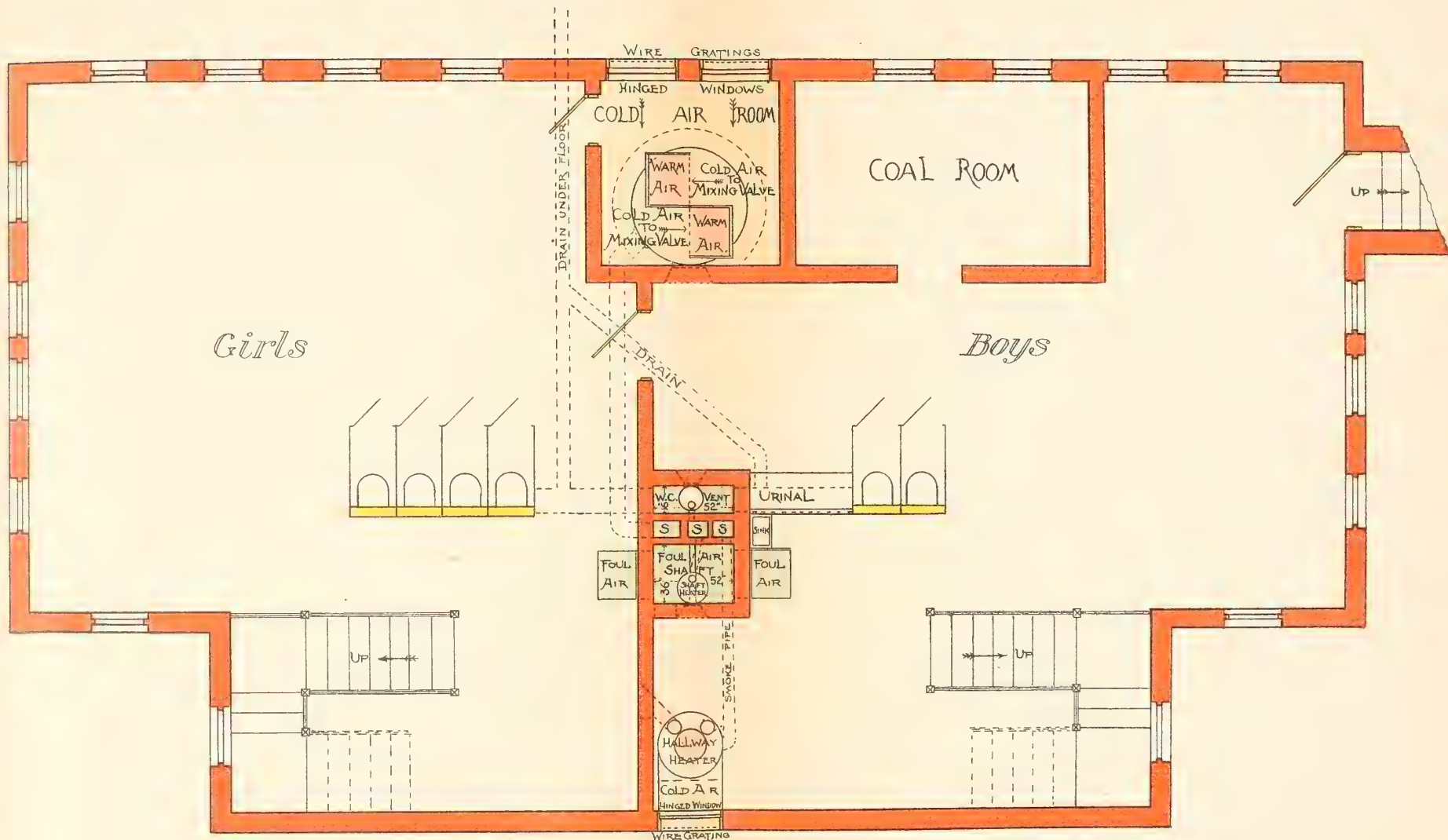
This is a one-story, two-room, wooden school building, intended to accommodate forty-eight pupils in each room. The rooms are 28 by 32 by 12 feet, lighted on two sides from the rear and left of the pupils. The teachers' platforms are omitted, and a table desk provided in each room.

In the corridor or hallway are wire nettings with hooks for the pupils' clothing. Being placed away from the wall, better opportunity is given for drying wet clothing. A sink or bowl, well trapped, and a looking-glass are also provided in the corridor.

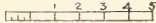
The basement is 9 feet 9 inches high, well lighted, the bottom concreted and covered on top with one-half inch of Portland cement, and contains separate rooms for boys and girls, furnaces, coal bin, sanitary closets, vent and shaft heaters. A sink is also provided for the janitor's use. The use of double or outside windows, particularly if the building is in an exposed situation, will cause quite a saving in the amount of coal burned.

The school-rooms are heated by a furnace enclosed in a double casing of galvanized iron set up inside a cold-air room built of brick. If desired, an additional covering of non-conducting material can be added to the outer casing of the furnace.

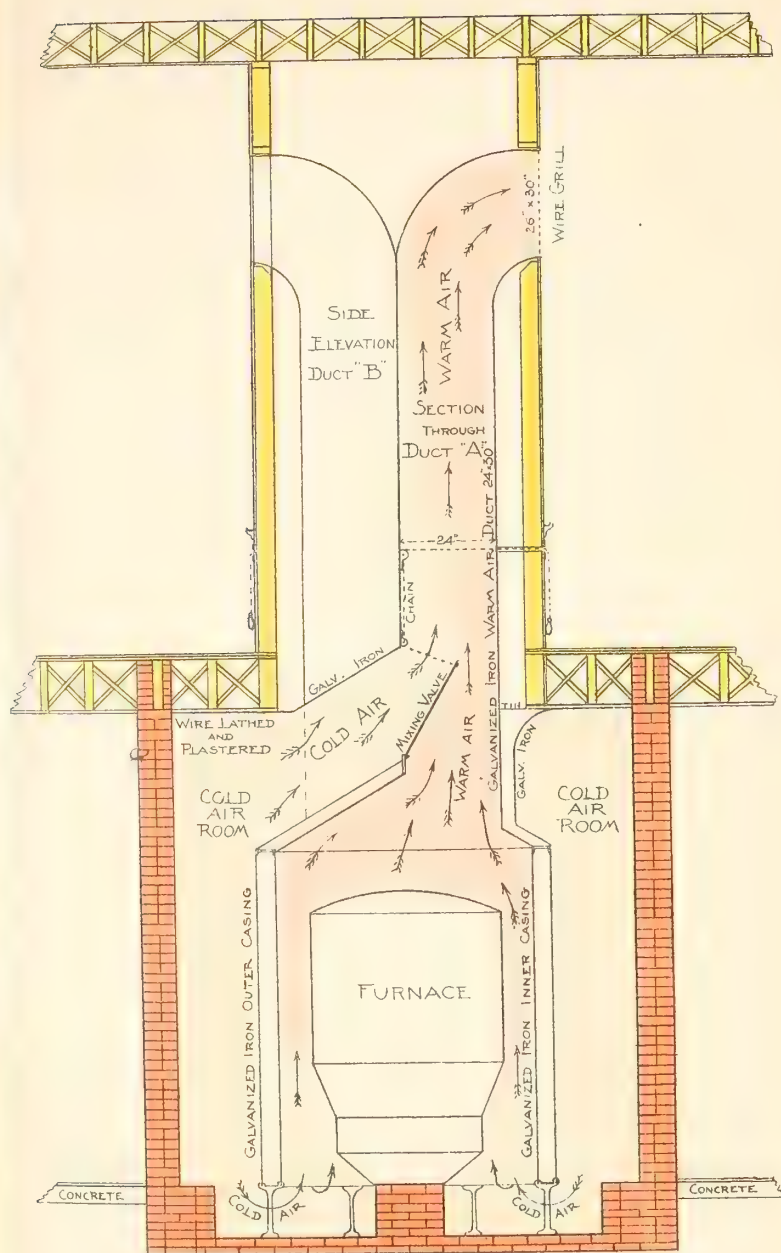
The fresh air is admitted to the cold-air room through two windows, covered with an iron grating and hinged, and provided with a cord and pulley for regulating the amount of air admitted to the cold-air room. A pit extends nearly around and under the furnace, causing the air to be more evenly distributed around the fire pot than by the usual method of setting. The space between the two casings prevents the air being cooled from the outside after passing the fire pot. Over the top of the furnace are the



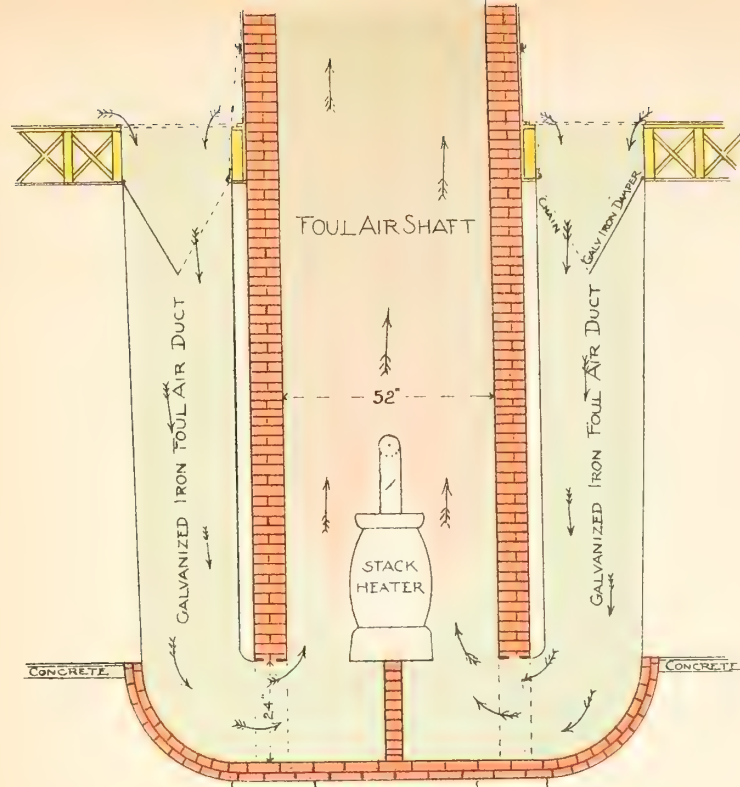
Basement.
Two Room School-house.

SCALE  5 ft.

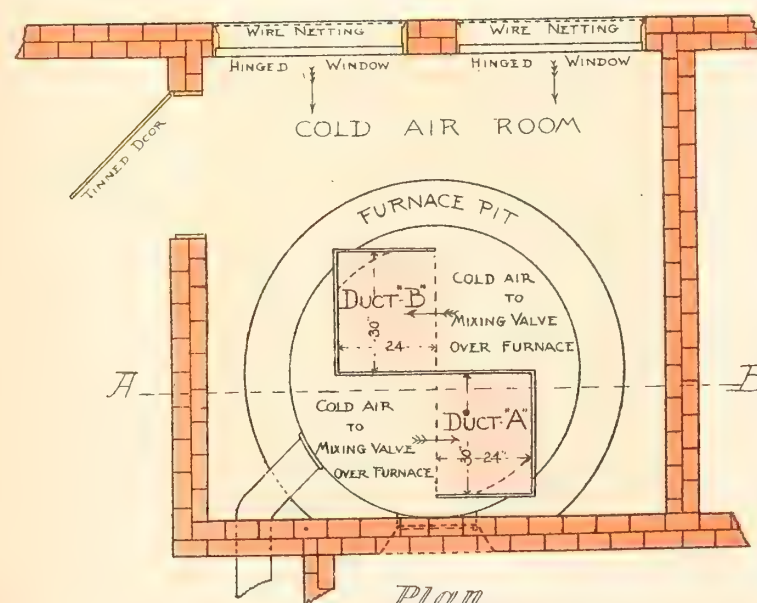
Inspector Joseph A. Moore.



Section A.B.



Section through Vent Shaft

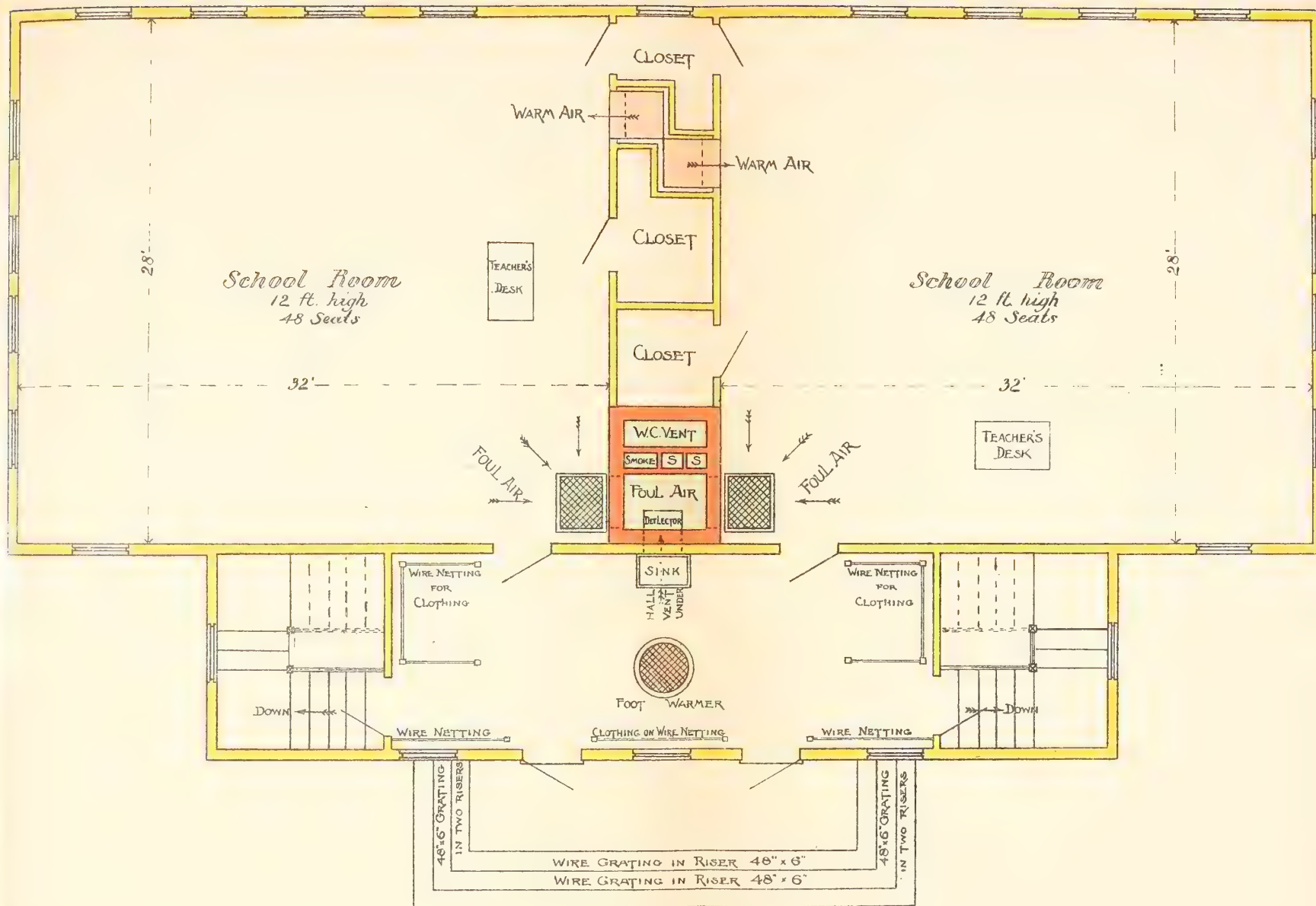


Plan.

Furnace
for
Two Room School-house.

Designed by
Joseph A. Moore.

SCALE 1 2 3 4 5



*First Floor:
Two Room School-house.*

SCALE 1 2 3 4 5 ft

Inspector Joseph A. Moore.

mixing valves for regulating the temperature of the warm air to the school-rooms. The cold air passes over the top of the furnace casing direct to the mixing valves, which are operated by a chain and catch from the school-rooms. The warm-air ducts are of galvanized iron, 24 by 30 inches, with the corners of the perpendicular part strengthened with angle iron.

The warm air is admitted to each school-room through an opening 26 by 30 inches, covered with a wire grill or netting of one-eighth inch wire and one and one-half inch diamond mesh, set in a frame of three-eighths by three-quarters inch channel iron. The warm-air inlets are placed on the inner or warm side of the room, but near the outer or rear wall of the building and 8 feet above the floor, the temperature of the incoming warm air being regulated by means of a mixing valve above the furnace, adjusted by means of a chain pull and catch, which allows a movement of one link at a time, if desired. Opening wide or closing tight the mixing valve at one movement should be avoided, as causing too rapid a change in the temperature of the incoming air in very cold weather. The change should be gradual, a few links at a time. A 4-inch diameter metallic thermometer, with perforated back and sides, placed on the wire netting in front of the warm-air inlet, will be of great service to the teacher in regulating the temperature. One thermometer for registering the room temperature and another for outside use should be provided.

The supplementary heater for the corridor or hallway is intended for use in very cold or wet weather, also for drying the pupils' clothing, and for a foot warmer. It also provides for warming the basement to a moderate temperature.

Each warm-air pipe from this furnace is provided with a damper. This furnace receives its air supply through a galvanized-iron duct (connected by a hinged window and covered with wire grating) from under the front platform, there being wire gratings 6 by 48 inches in two risers of the steps on the front and each end of the platform.

The foul air from each school-room is taken from the floor in the inner or warm corner of the room, through an iron register face (38 by 27 inches) through a galvanized-iron duct to the bottom of the foul-air shaft, which it enters through an opening 24 by 30 inches. A valve operated by a chain is provided in these ducts to regulate the outflow of air in very cold or windy weather. The foul-air shaft, which is 52 by 36 inches inside, has a 4-inch brick partition extending across the narrowest way, to act as a cut-off to prevent cross drafts from the ducts. This partition extends above the top of the foul-air openings, and on top of it, above the open-

ings, is placed a stove or stack heater, with its smoke pipe connecting with a separate smoke flue. This stack heater is tended through a door in the front of the shaft. A damper is provided in the smoke pipe of the stack heater, and is operated by a rod extending through to the front part of the shaft. A man-hole door is also provided to reach the inside of the vent shaft, when desired.

The foul air is taken from the hallway through a wire-netting covered opening under the sink directly into the foul-air shaft; a galvanized-iron deflector, arranged to open or close by a chain and pulley, being provided at this opening. This ventilator is essential for removing the foul air and the smell from the clothing, and preventing it entering the school-rooms.

The sanitary closets are of the separate short-hopper, self-flushing style, connecting with a drain to sewer or cess-pools, and are seat-vented into an underground duct, leading to the sanitary vent flue, which is 16 by 52 inches. A vent is also taken from the bottom of the girls' room into this flue. The boys' urinals are of slate, and placed between the boys' closets and the sanitary vent flue, and connect with the drain and the underground duct to the sanitary vent flue. Being raised about 6 inches above the floor, space is given for the foul air to pass under and to the duct. No vent is provided, as in the girls' room, the foul air being drawn down and under the urinals. A perforated flushing pipe and hose is also provided. A fire should be maintained in the stack heater in the sanitary vent flue. The warmer the weather, the stronger the fire should be. In *extremely cold and windy weather* the fire may be omitted in the heater in the foul-air vent shaft that takes the vitiated air from the school-rooms and corridor.

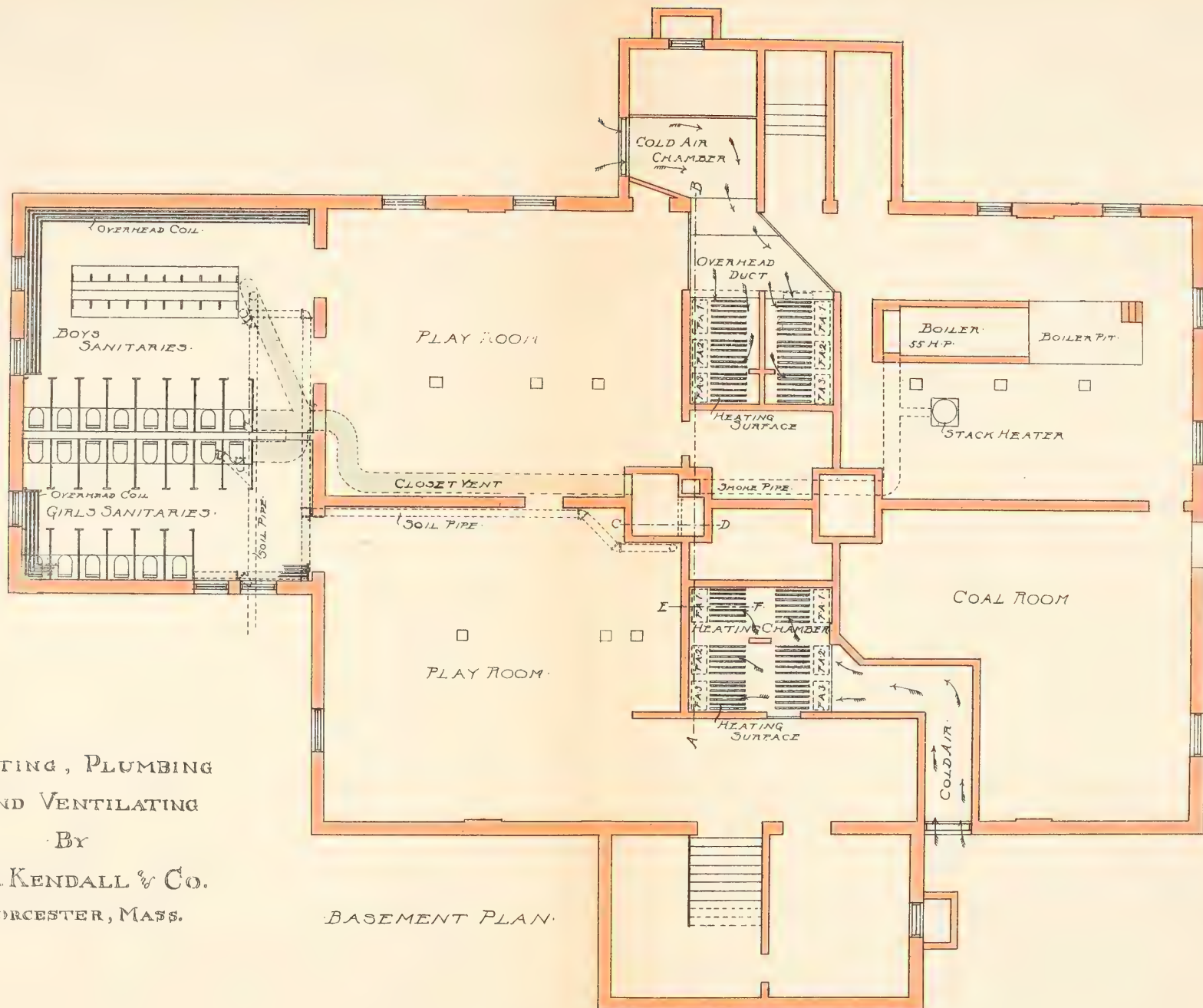
The following plans, drawn by Inspector Joseph M. Dyson, show a method of heating and ventilating a school building containing twelve rooms:—

The question often comes before town and city officials, What shall we do with our old school buildings? The following detailed description shows what has been done to an old school building in the city of Worcester, erected in the year 1851, and known as the Thomas Street school-house. This building has three stories and a basement, contains twelve school-rooms and twelve cloak rooms.

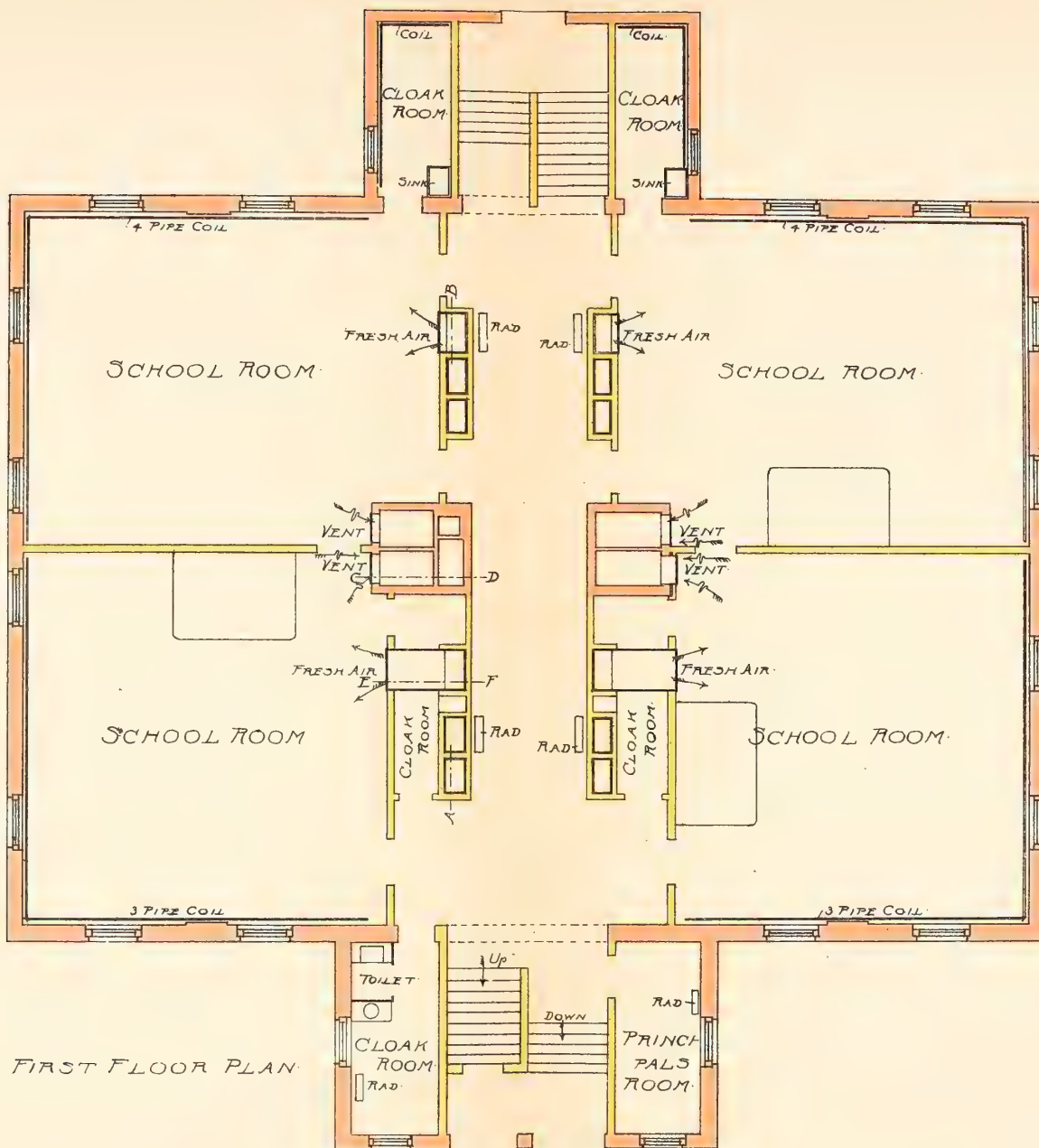
During the past winter that much-dreaded disease, diphtheria, obtained a foothold among the pupils in this school, and the parents and citizens called loudly that it be closed and demolished,

HEATING, PLUMBING
AND VENTILATING
By
O.S. KENDALL & CO.
WORCESTER, MASS.

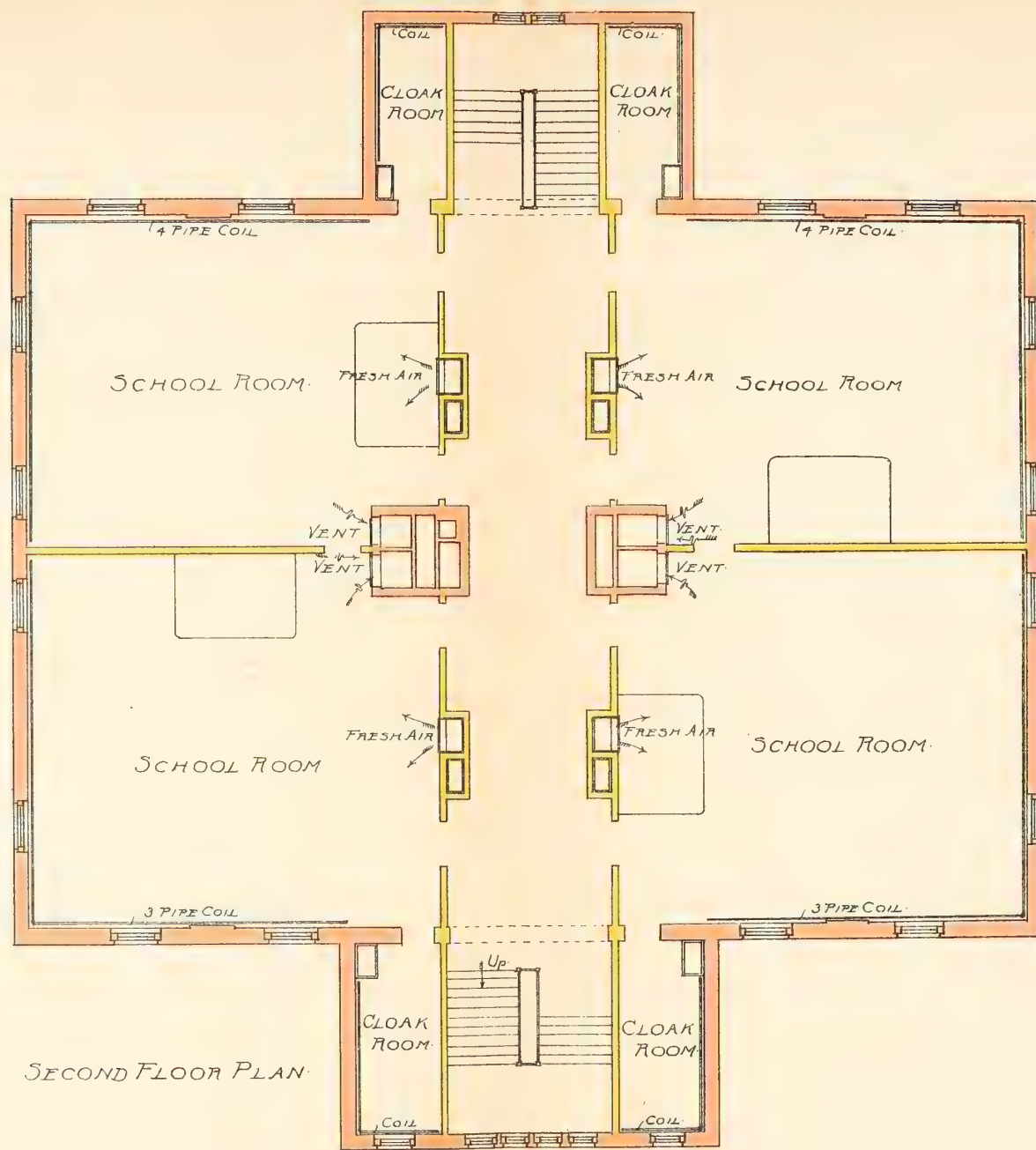
BASEMENT PLAN.



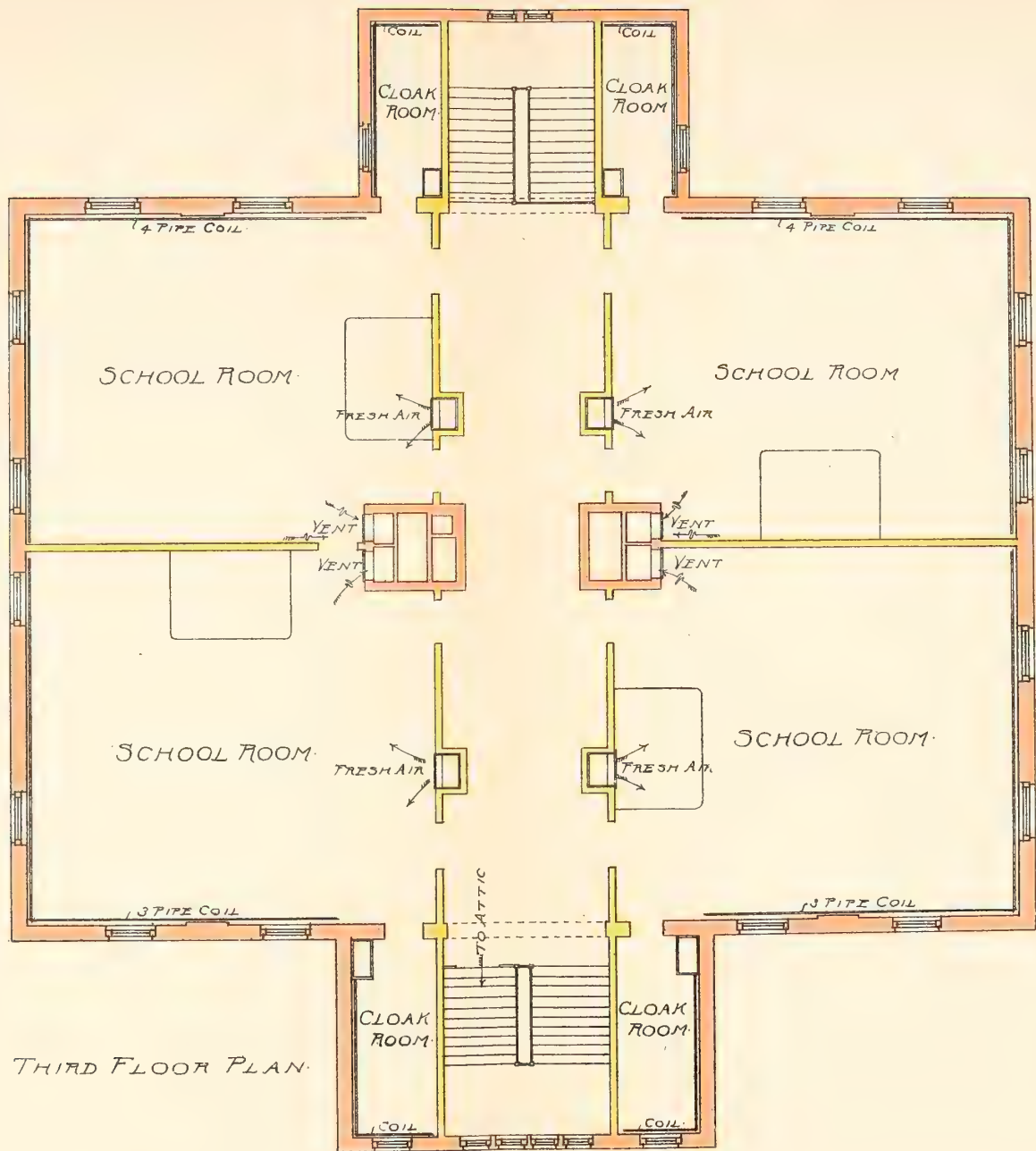
THOMAS STREET SCHOOL HOUSE
WORCESTER, MASS.



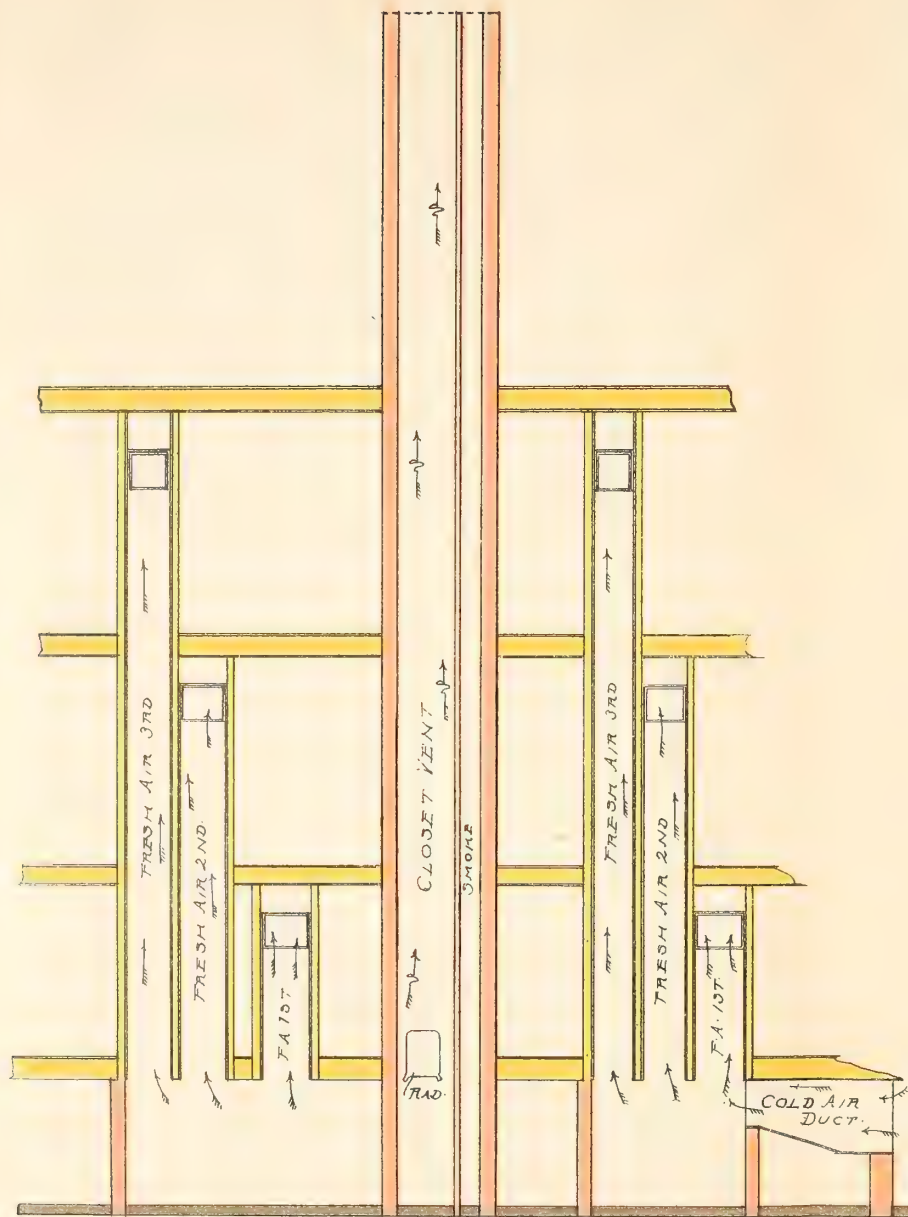
THOMAS STREET SCHOOL HOUSE
WORCESTER, MASS.



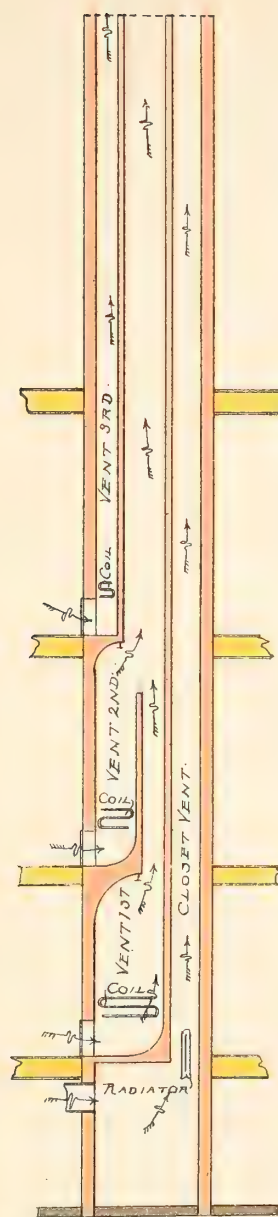
THOMAS STREET SCHOOLHOUSE
WORCESTER, MASS.



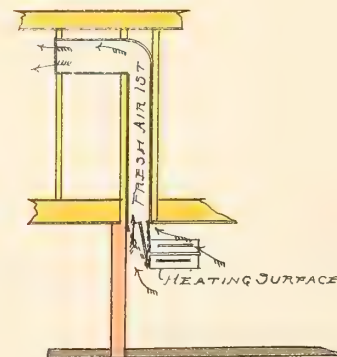
THOMAS STREET SCHOOL HOUSE
WORCESTER, MASS.



SECTION A-B



SECTION C-D



SECTION E-F

SECTIONS OF FLUES FOR THOMAS ST. SCHOOL
WORCESTER, MASS.

and that a new building be provided for the district. The building was closed for a few weeks, while temporary changes and repairs were being made. Previous to the long vacation plans were submitted for the proper heating and ventilation of the building; also for improved sanitariums. The plans submitted by O. S. Kendall & Co., heating, ventilation and sanitary experts, were accepted by the committee in behalf of the school board of Worcester, and by the inspector in behalf of the Commonwealth. The contract was for the sum of \$6,100, and stipulated that the work should meet the approval of the State inspector.

The building was formerly heated by seven furnaces and two stoves, with practically no provision for the removal of foul or vitiated air. The building is now heated by a fifty-five horsepower Allen boiler, partially direct but mostly indirect, there being two large hot-air chambers located in the basement, as shown on plans, each supplying six school-rooms with air either hot or cold. There is an air valve placed in each of the ducts, so arranged (see cross-section marked E F) that the flow of fresh air cannot be cut off at any time, but the teacher in each room has sole control, and can have the air brought into the room at any temperature that she desires. Each room is piped for direct heat on the window sides for use in extremely cold weather or during vacation of the schools. This system the teacher also controls. The fresh air is brought into each room at a point about 8 feet from the floor, from the hot-air chambers in the basement through galvanized-iron flues covered with asbestos paper, then wire lathed and plastered outside, making the breastwork around flues to correspond with rest of finish of rooms and halls.

The ventilation is through two large brick stacks started in the basement (see cross-section marked C D) and continued to 6 feet above the highest point of the roof. The openings from each room to the foul-air duct are placed at floor level, each having a damper at opening, to be closed by the janitor during vacation and nights in severe weather, which no doubt will result in a saving of fuel. The power used for ventilation is the gravity system, consisting of a coil of pipe in the stack located above each register opening the connections to these coils, so that when heat is not wanted in the rooms communications are made with a small upright Richmond steam-boiler, used only for heating the ventilating ducts of the school-rooms and sanitariums in warm weather. At a recent test of the above-described system there was an average of a fraction over 39 cubic feet of air per seat per minute removed from each room in the building, taking for a basis fifty seats per room. This, taking into consideration that it is an old building, where the loca-

tion of the ducts and the disfigurement of the school-rooms must be considered, makes a remarkable showing.

The expense incurred for the changes made is a small item, when we consider the removal of so many furnaces and stoves, not considering the ventilation. The cost in the saving of the consumption of coal alone will well pay the interest on the plant, besides saving a school building that will be good for at least twenty more years of service.

The sanitariums put in are in my opinion the best known for schools in towns and cities where a sewerage is maintained. The work has been done in the most approved manner. The closets are known as the short hopper, with automatic flushing tanks, each trap being protected from syphonage by a 2-inch cast-iron back air pipe; also each closet has a 2-inch local vent pipe, leading into a separate brick stack and exclusively for the sanitariums. Special care has been taken to most thoroughly ventilate the closet rooms, with the best of results.

NEW SCHOOL-HOUSE, EAST BRAINTREE, MASS.

The heating, ventilating and sanitary apparatus and arrangements of the new eight-room school building at East Braintree, Mass., as designed and installed by the Smith Heating and Ventilating Company, Consulting Engineers, Exchange Building, Boston, are shown by the accompanying cuts.

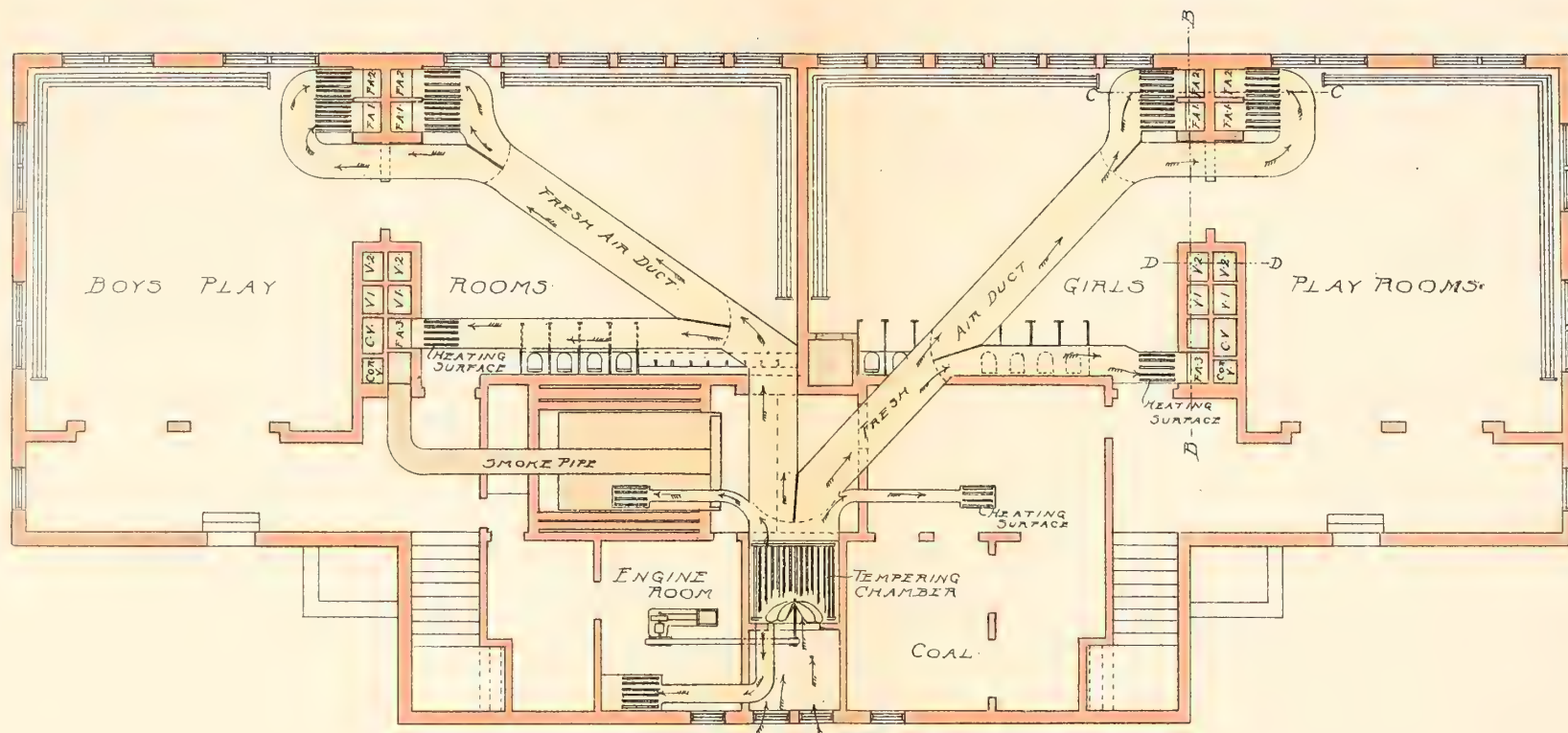
The building is a three-story structure, the first and second floors containing class-rooms and large corridors, with teachers' room and lunch room on the first floor, while on the second floor is located the recitation room. On the third floor is a large hall, capable of accommodating 450 persons, with a stage and two ante-rooms, also two unfinished rooms. The building is located on high ground and faces in a northerly direction, which brings all the class-rooms on the southerly side, making them light and warm.

The system of heating and ventilation is by the mechanical hot-air system, supplemented by direct radiation in the various rooms throughout the building.

In the basement in boiler room are located two horizontal tubular boilers, 42 inches in diameter, 14 feet long, set in pit, which furnish steam to the heating surface throughout the building and power to the 10 by 10 inch horizontal side-crank engine which drives the 6-foot centrifugal fan, furnishing fresh air to all the class-rooms, large hall and recitation room. The engine is of the low-pressure type, and is run on a pressure of 15 pounds per square inch.



New School East Braintree Mass.



BASEMENT PLAN.

SCHOOL HOUSE AT F. D. BRAINTREE, MASS.

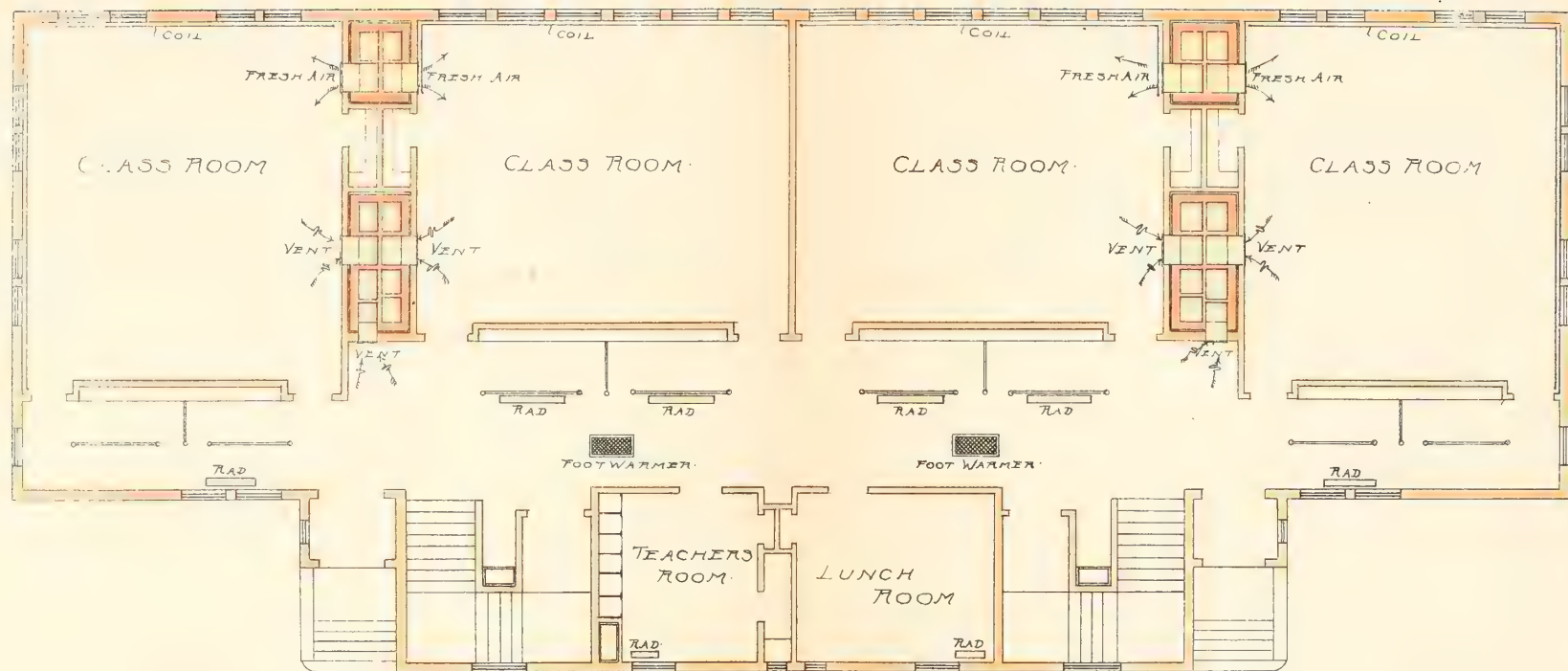
BRICK

IRON WORK

FRESH AIR DUCTS.

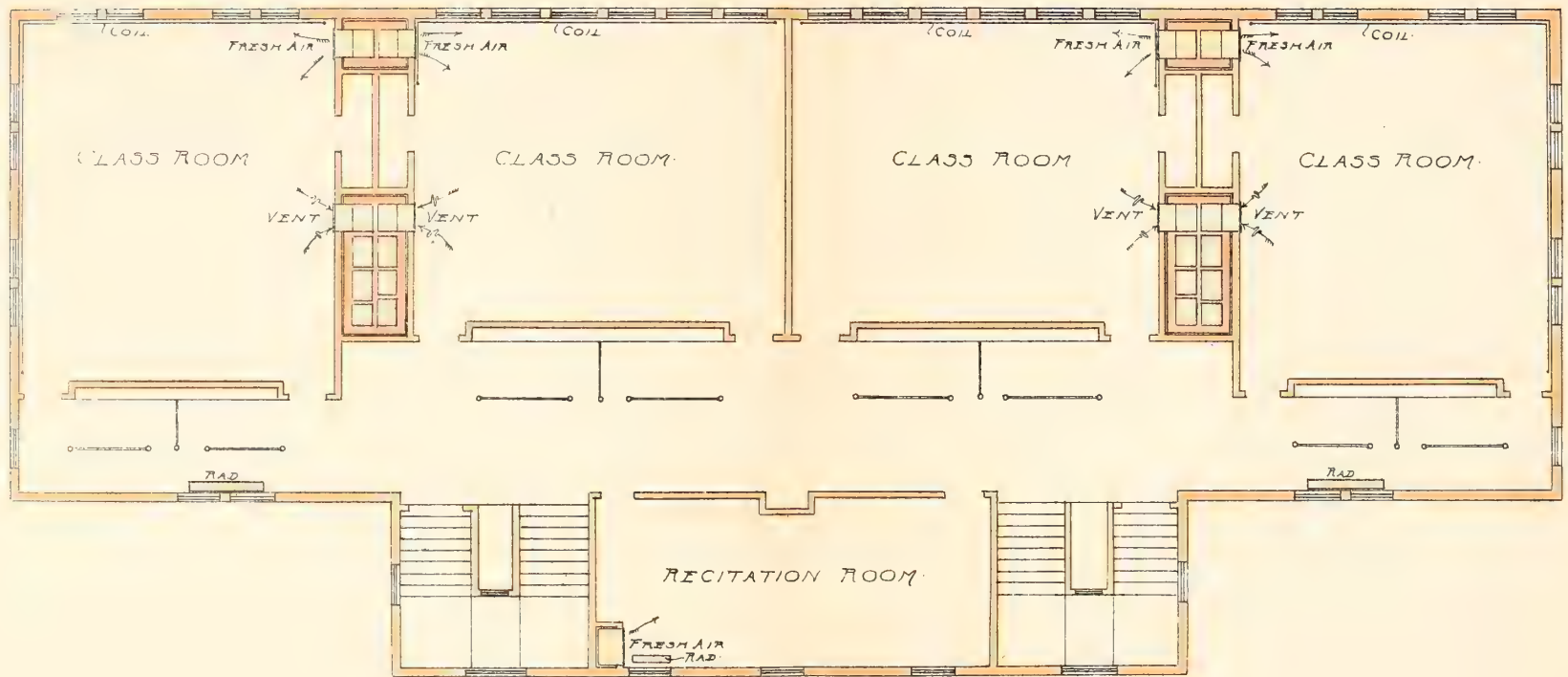
FOUL AIR DUCTS.

WOOD WORK.



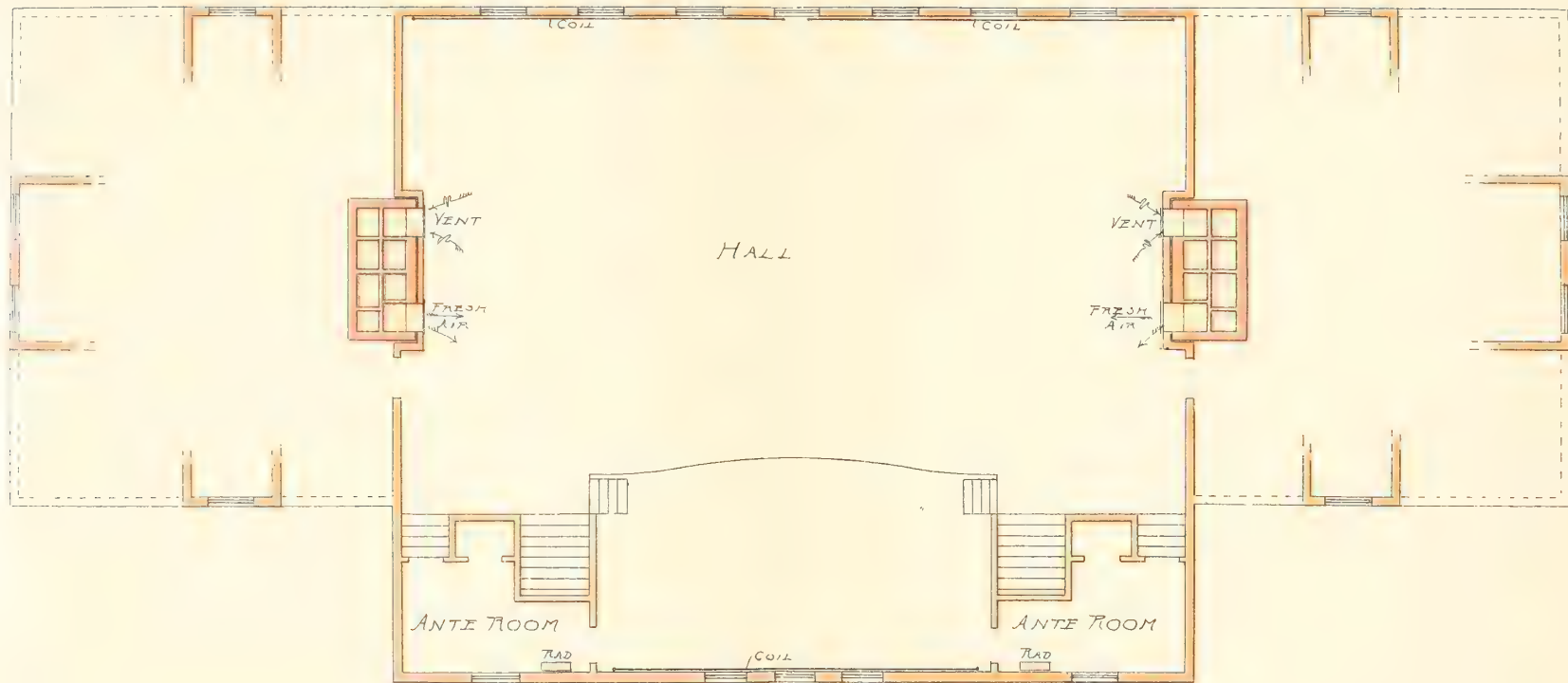
FIRST FLOOR PLAN.

SCHOOL HOUSE AT EAST BRAINTREE, MASS.



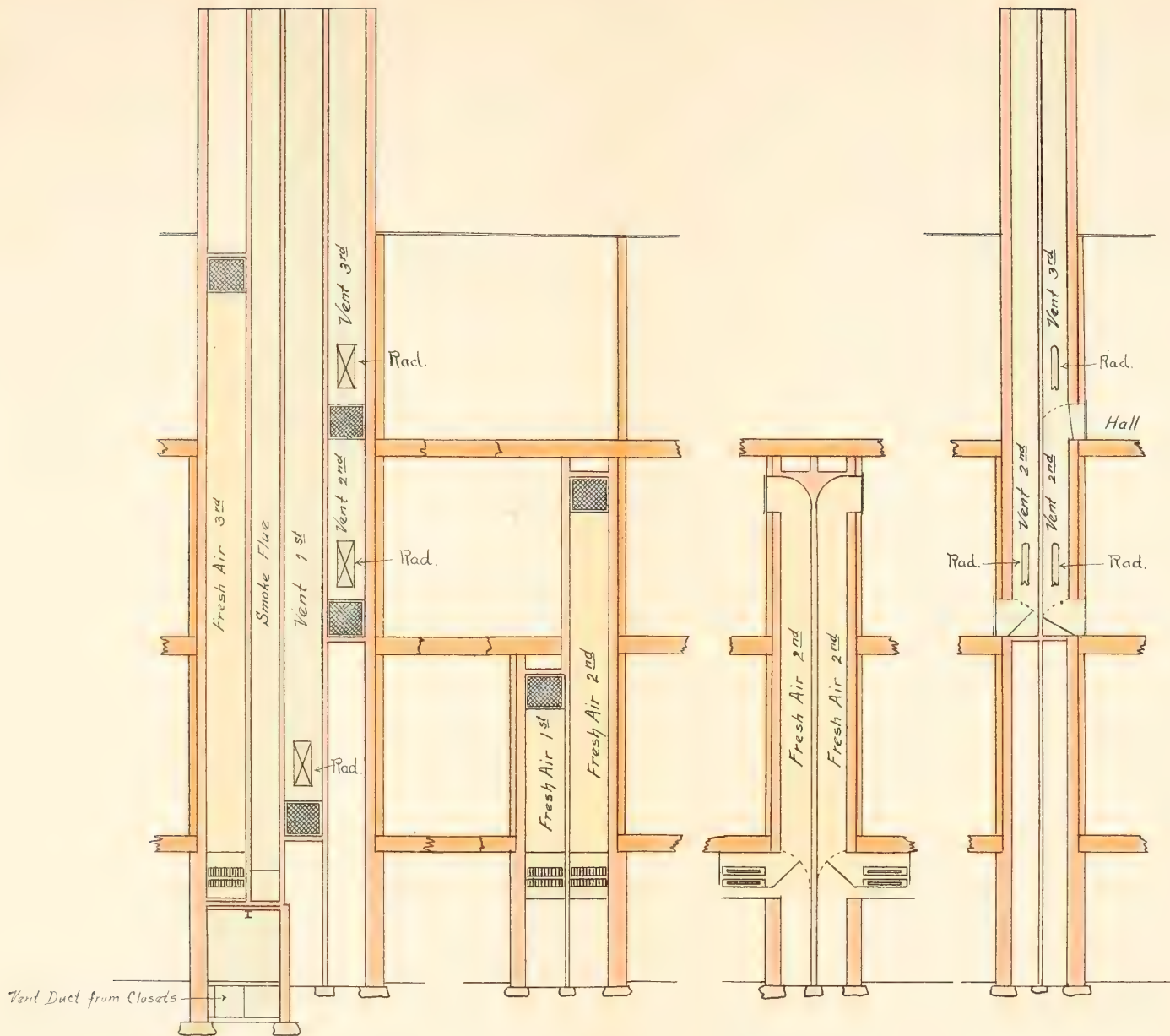
SECOND FLOOR PLAN.

SCHOOL HOUSE AT EAST BRAINTREE, MASS.



THIRD FLOOR PLAN

SCHOOL HOUSE AT EAST BRAINTREE, MASS.



SCHOOLHOUSE AT EAST BRAINTREE, MASS

15 FEET

The supply of fresh air enters the building through openings into the tempering chamber and is forced by the fan through the large coil of $1\frac{1}{4}$ -inch pipe, which is fed by the exhaust steam from engine. This coil serves to temper the air, which is delivered through the large galvanized-iron ducts to the heating surfaces, which are located in the basement at each hot-air flue, and to the two foot-warmers in corridor of first floor. The indirect surface is of the "Excelsior" pattern, connected up in double layers of radiators, and are put together with nipples 1 inch longer than regular, which gives a large area of air space, — an essential feature for work of this nature. As shown by plan, the ducts supplying fresh air to the large hall on third floor are so arranged with dampers that the air may be shut off entirely from same when it is not in use.

All the indirect radiators are encased with galvanized iron and connected with fresh-air ducts, as shown.

In each of the fresh-air flues are placed mixing dampers for regulating the temperature of the inflowing air to rooms, and these are connected by chains and pulleys, so as to be operated by the teachers from the different rooms.

All the heating and ventilating ducts in the building are of brick, with the exception of the duct supplying fresh air to the recitation room on second floor. These ducts are arranged as shown by plan and sectional elevation, the outlets from fresh-air flues being near the top and those from all vent flues directly at and on a level with floor.

Each vent opening is provided with a damper, which is arranged to be operated by the teacher, and is for the purpose of regulating the ventilation of rooms when occupied or unoccupied.

The ventilating of the hall is accomplished by the use of the flues for ventilating the class-rooms on second floor, by means of dampers which will wholly or partially shut off either, as shown by section of flues.

For aiding and insuring the best of ventilation, heating surface in the form of direct radiators has been placed in each vent flue, and this surface is connected to the boilers by an independent system of piping, so that when steam is not required for heating the building this part of the apparatus may be run independently.

In mild weather this apparatus is arranged so that heating may be done alone by the large heating coil in the tempering chamber; and, as this will utilize the exhaust steam from the engine, it makes a very economical and low-cost method of furnishing power, as the latent heat of the steam which cannot be utilized by the engine is here used for the warming of the fresh air.

The sanitary arrangements installed in this building are the

Smith patent dry closet and ventilated slate urinal system, located as shown on basement plan, and ventilated by large underground ducts which connect to the vent flues provided for this purpose. In the vent flues for the sanitariums are placed almost double the amount of heating surface as for vents from class-rooms. This makes a strong ventilation, and keeps the sanitary rooms free from all disagreeable odors.

Section BB, Fig. 1, shows longitudinal section through fresh-air and vent flues.

Section CC, Fig. 2, shows cross-section through fresh air.

Section DD, Fig. 3, shows cross-section through second-floor vent flues.

WORK PERFORMED.

The record of work done by the inspectors shows that 4,470 manufacturing, mechanical and mercantile establishments have been inspected since my last report.

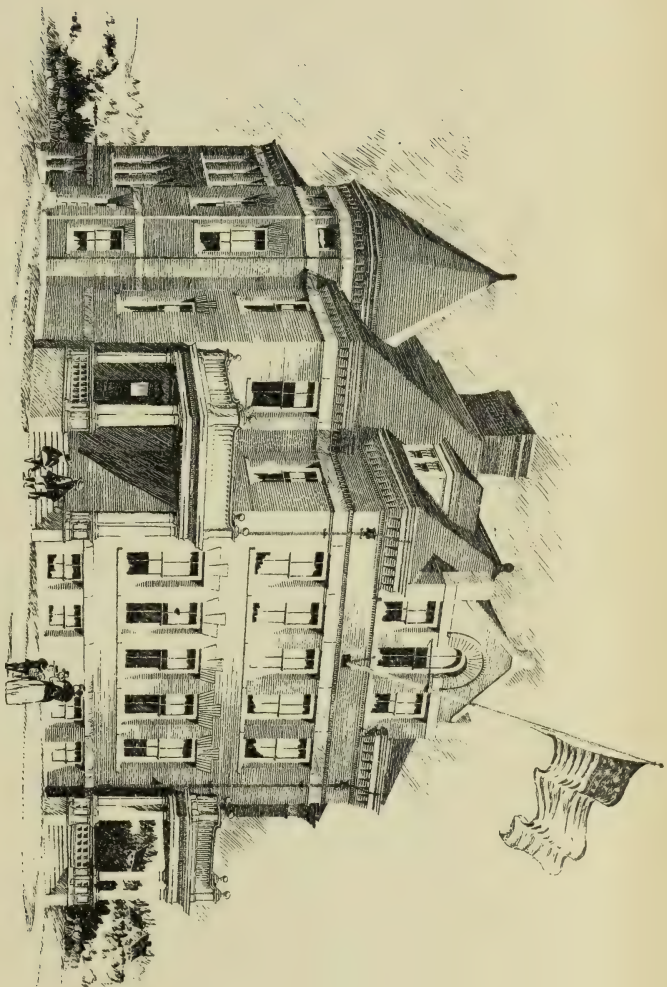
From the reports of the inspectors I find the whole number of children employed in factories and workshops thus far visited is 11,573; children employed between thirteen and fourteen years of age, 193; young persons employed between fourteen and sixteen years of age, 11,380, and these are provided with certificates required by law.

The compulsory attendance of children at school until the completion of their fourteenth year is a measure of vast importance. The law reads as follows:—

Chapter 498, Acts of 1894.

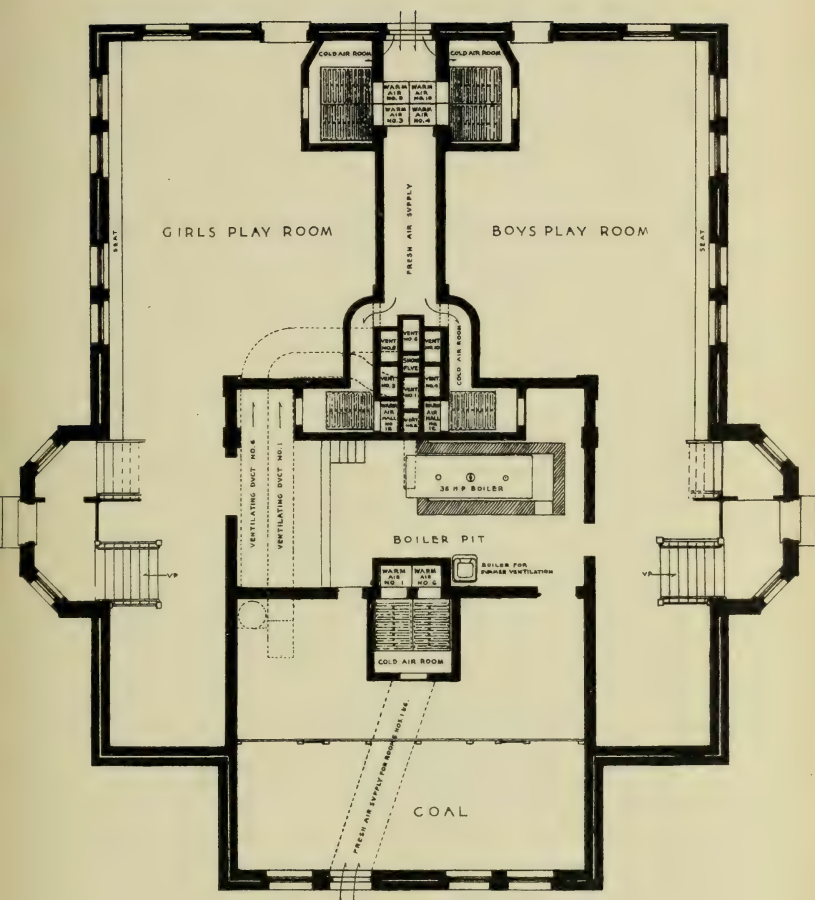
AN ACT RELATIVE TO THE ATTENDANCE OF CHILDREN IN THE SCHOOLS.

SECTION 1. Every person having under his control a child between the ages of eight and fourteen years, and in every city and town where opportunity is furnished, in connection with the regular work of the public schools, for gratuitous instruction in the use of tools or in manual training, or for industrial education in any form, a child between the ages of eight and fifteen years, shall annually cause such child to attend some public day school in the city or town in which he resides, and such attendance shall continue for at least thirty weeks of the school year, if the schools are kept open for that length of time, with an allowance of two weeks' time for absences not excused by the superintendent of schools or the school committee. Such period of attendance shall begin within the first month of the fall term of school, and for each five days'



• GRAMMAR SCHOOL-HOUSE • ANDOVER MASS. •

MERRILL & CYTLER ARCHTS



PLAN OF BASEMENT • GRAMMAR SCHOOL • ANDOVER MASS.

BUILDING • HEATING AND VENTILATION

DESIGNED BY

MERRILL & CYTLER • ARCHITECTS • LOWELL MASS.

SCALE 1" = 10'

Grammar School.

Andover, Mass.

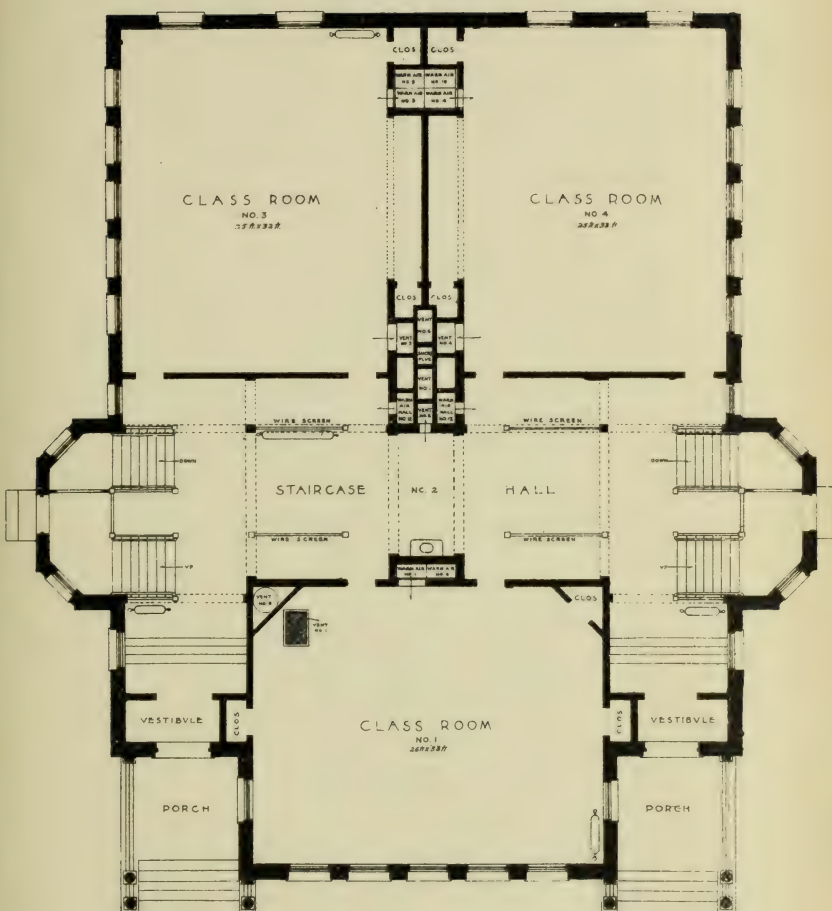
This building was completed in October, 1894, having been rebuilt on the foundation of the one burned the previous winter. It is situated on a large, open lot, and exposed to the wind from all directions.

The building consists of six large school rooms, well lighted and ventilated. The windows, except on the south side, are fitted with outside and inside sash, all hung with counterweights.

On the second floor, in addition to the three class rooms, there is a teacher's room and a store room, and on the third floor a large assembly hall. The staircase halls are commodious and well lighted, in which are placed the ward-robcs, consisting of framed wire screen inclosures.

The outside doors are provided with swivel joint night latches, so that doors are locked only to persons on the outside, which prevents the possibility of locking a scholar inside the building.

The building is heated with low pressure steam, generated in a 36 horse-power boiler. The ventilation is what is known as the Gravity System. The general plan of ventilation is to take the cold, fresh air from the outside in through the chambers inclosed with brick walls in the basement. The air is warmed by being passed over indirect steam radiators placed near the ceiling in the cold air room, and taken in brick or metallic ducts to the school rooms and assembly hall, through registers or openings about seven feet from the floor. The cooled and



PLAN OF FIRST FLOOR • GRAMMAR SCHOOL • ANDOVER MASS.
 BUILDING • HEATING AND VENTILATION
 DESIGNED BY
 MERRILL & CVTLER • ARCHITECTS • LOWELL MASS.

SCALE : : 1" = 10'

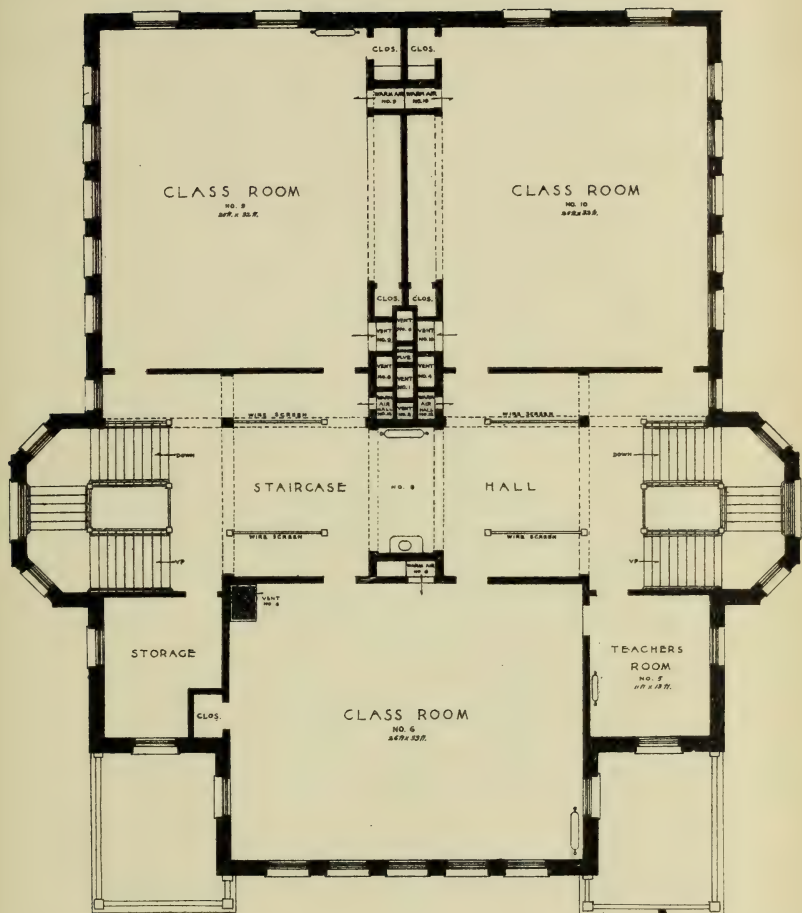
impure air is taken from the room through registers in or near the floor to brick ventilating flues and carried directly out above the roof, except in rooms Nos. 1 and 6, from which it is taken in iron ducts to the basement, and then up through the ventilating flues. These flues are warmed by the smoke flue of boiler, which is placed in the center, and in addition to this, a small radiator is placed in each ventilating flue to give a strong upper current to the vitiated air. A small supplementary boiler is provided to heat the flue radiators, when the large boiler is not required for heating purposes.

Each stack of indirect radiators is divided into three unequal sections and supplemented with mixing dampers, so that a proper degree of heat can be maintained in the rooms at all times, without reducing the amount of fresh air, and at the same time be under the control of the teacher.

The teacher's room and staircase hall are heated with direct radiators. The school rooms are provided with supplementary direct radiators for use should they be required for extreme cold days, or to be used in warming the room when the school is not in session.

The ventilation is such that about forty cubic feet of air per minute, on an average, is supplied to each occupant. Special attention is called to the small amount of carbonic acid as given in the report of Inspector John T. White, printed on the next page. The amount of air supplied, its purity, and the even temperature of the rooms, place this school house among the best ventilated in the State.

The building, together with the heating and ventilation was designed by and built under the supervision of Merrill & Cutler, Architects, Lowell, Mass.



PLAN OF SECOND FLOOR • GRAMMAR SCHOOL • ANDOVER MASS.,

BUILDING • HEATING AND VENTILATION

DESIGNED BY

MERRILL & CVTLER • ARCHITECTS • LOWELL MASS.

SCALE 1" = 10'

BOSTON, MASS., Nov. 22, 1894.

REPORT ON VENTILATION AND SANITARY APPLIANCES.

Name of Building, Central Grammar School.

Location: Town of Andover.

Date of Inspection, Nov. 8.

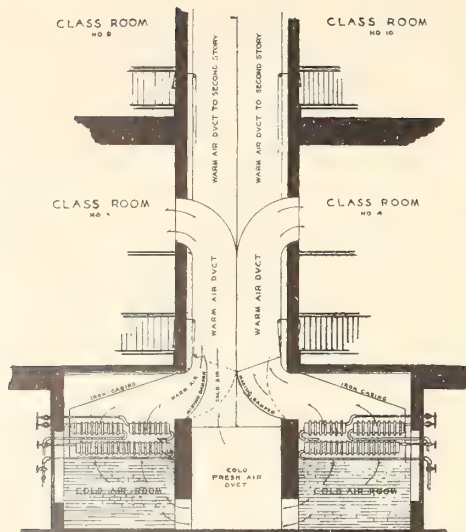
Weather: Snow; Temp., 32°; Humidity, 79%; Barometer, 30.35.

Wind: East; Very light.

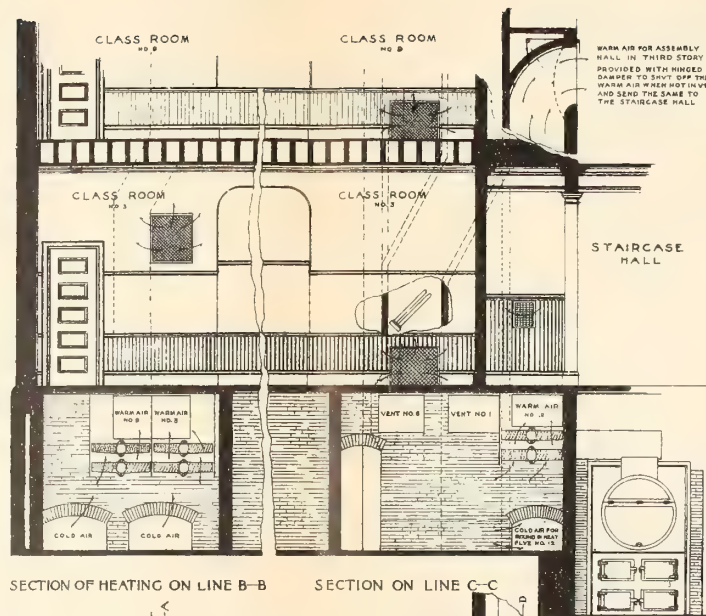
ROOM.	Story.	Seating Capacity.	Persons Present.	Temperature of Room at Teacher's Desk.	Humidity — %.	Temperature of Air at Inlet.	Air Supply at Inlet in Cubic Feet per Minute.	Air removed at Outlet in Cubic Feet per Minute.	Carbonic Acid, Parts in 10,000 of Air.	Time of Test.	Condition of Room.
No. 1.	1	48	29	71	48	76	1652	1731	5.5	3.00	*
No. 4.	1	48	24	73	50	77	2210	3000			
No. 6.	2	48	42	71	52	75	2040	1549	5.4	3.15	*
No. 10.	2	48	35	73	50	78	1708	2530			

REMARKS: * Closed since 1.30 o'clock. Five thermometers were used in each room — one at teacher's desk, and one on each corner desk of pupils. In Room 1 there was a difference of 2 degrees; in Room 4, 2 degrees; in Room 6, no difference; in room 10, 2 degrees.

JOHN T. WHITE, Inspector.

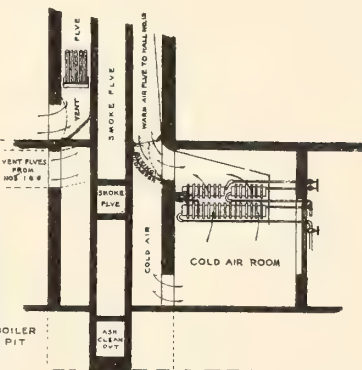


SECTION OF HEATING ON LINE A-A



SECTION OF HEATING ON LINE B-B

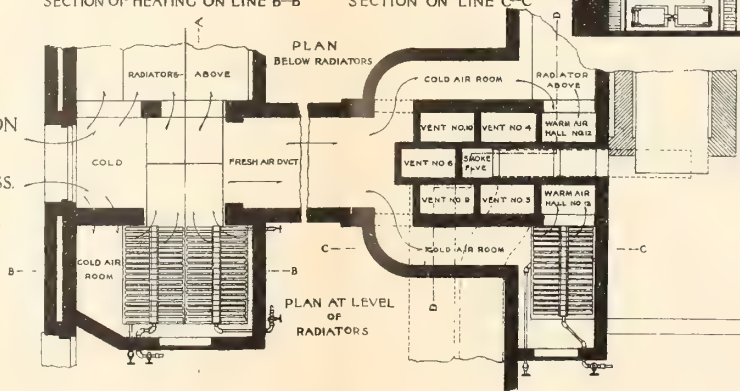
SECTION ON LINE C-C



SECTION ON LINE D-D

DETAILS OF HEATING AND VENTILATION FOR THE GRAMMAR SCHOOL HOUSE - ANDOVER MASS.

BUILDING - HEATING AND VENTILATION DESIGNED BY
MERRILL & CYTLER - ARCHITECTS - LOWELL MASS.



SCALE

absence of any such child thereafter, in excess of the above allowance, before the completion of the required annual attendance of thirty weeks, the person having such child under his control shall, upon the complaint of the school committee or any truant officer, forfeit to the use of the public schools of such city or town a sum not exceeding twenty dollars, but if such child has attended for a like period of time a private day school approved by the school committee of such city or town, or if such child has been otherwise instructed for a like period of time in the branches of learning required by law to be taught in the public schools, or has already acquired the branches of learning required by law to be taught in the public schools, or if his physical or mental condition is such as to render such attendance inexpedient or impracticable, such penalties shall not be incurred.

RECOMMENDATION.

I renew my recommendation for the enactment of a law regulating the use of steam-boilers, for the better protection of life in the use of the same.

INSPECTORS' REPORTS, BY DISTRICTS.

The following reports of the inspectors contain much valuable information relative to the operation of the industrial and inspection laws which are especially entrusted to this department to enforce. The publication of these reports will bring their action more prominently into notice, and prepare the ground for honest criticism on the work of the department, whether it be favorable or condemnatory.

REPORT OF INSPECTOR JOHN T. WHITE.

SIR:—I have the honor to make the following report of the work done by me in inspecting public buildings since my last annual report.

Such work as could be shown in that way is submitted in a tabulated form; this, however, constitutes but a small part of the work performed.

In the tabulated report of "buildings inspected" I have included only those where I found it necessary to send written orders for changes to be made.

A large portion of the buildings inspected was found to be in good condition so far as the State laws apply. A number of

buildings represented to be dangerous have been inspected by me on request of the local authorities.

The careful examination of these buildings, with the special reports made, and the inspections made to see that orders given were properly carried out has also taken up a great deal of time.

There is another large amount of work that cannot very well be made to appear in such a report, viz., the inspecting and testing the ventilation in school-houses. This work keeps an inspector busy during a large portion of the time in cold weather, on request of school committees and other authorities, who wish to have the inspector's approval before they pay the contractor's bills.

The usual number of plans have been deposited in this office from my district during the year. The examination of these plans and consultations with architects and owners makes a large amount of work; besides which the construction of the ways of egress, and especially the means of protection from fire, must be carefully looked after while the building is in process, in order to see that the work is properly done.

I have the pleasure to note a continued improvement, in the construction of new buildings, in all matters coming under the control of the State laws. Since the passage of the law requiring plans of such buildings to be filed in this office, far better ways of egress and means of escape from fire, and also better means for preventing the spread of fire, are provided for by the architects than ever before.

In ventilation the improvement since the law of 1888 went into effect amounts to a revolution of methods; and I think that Massachusetts must now have some of the best-ventilated schools in this country, if not in the world.

Plans Received and Changes Recommended.

DISTRICT No. 1. JOHN T. WHITE, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Children's Sanitarium, . . .	Salem.	- -
Congregational Church, . . .	Chelmsford, . .	Suggestions as to ventilation.
Lyceum Hall,	Winchester, . .	Fire-stops and better egress.
High School,	Somerville.	- -
Town Hall,	Townsend, . .	Suggestions as to ventilation.
Cabill Tenement,	Cambridge.	- -
Greene Tenement,	Malden.	- -
Robertin Apartment,	Medford.	- -

Plans Approved, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
St. Thomas Aquinas School, . . .	Cambridge.	- -
Belfry Club,	Lexington.	- -
Upham Memorial Hall, . . .	Belmont.	- -
Chandler Tenement,	Cambridge.	- -
State Almshouse, Administration Building.	Tewksbury.	- -
State Almshouse, Female Dormitory.	Tewksbury.	- -
G. W. Durell School,	Somerville.	- -
Dronet Tenement,	Somerville.	- -
Hibernian Hall,	Malden, . . .	Better egress.
Lincoln School,	Medford.	- -
Congregational Church,	Beverly, . . .	Fire-stops and ventilation.
Odd Fellows Hall,	Saugus, . . .	Better egress and ventilation.
Masonic Hall,	Reading, . . .	Better egress.
Somerville Journal Company, . .	Somerville.	- -
Hayden & Grovestein,	Cambridge.	- -
Odd Fellows Hall,	Cambridge.	- -
Centre School,	Andover.	- -
South School,	Beverly, . . .	Ventilation.
Knapp School,	Somerville.	- -
McLean Hospital, Women's Bowditch.	Belmont.	- -
McLean Hospital, Men's Bowditch,	Belmont.	- -
Browne & Nichols School, . . .	Cambridge.	- -
Old and New High Schools, ventilation plans.	Somerville.	- -
Phillips School,	Swampscott.	- -
Adams Library,	Chelmsford.	- -
First Unitarian Church,	Somerville.	- -
Fogg Art Museum,	Cambridge.	- -
G. A. R. Hall,	Reading, . . .	Better egress in case of fire.
Masonic Block,	Beverly.	- -
Ferguson's Building,	Gloucester, . .	Fire-stops, fire-escapes and ventilation.
Pentucket Club,	Haverhill.	Fire-escape and ventilation.
Central Avenue School,	Everett.	- -
Appleton Street School,	Everett.	- -
Odd Fellows Hall,	Reading, . . .	Better escape from fire.
Maplewood Block,	Malden, . . .	Changes in stairs and doors; also ventilation.
Wadleigh School, ventilation plans,	Winchester.	- -
Primary School, ventilation plans,	Andover.	- -
Haverhill Savings Bank,	Haverhill, . .	Better escape in case of fire.

Plans Received, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Merrow's Block,	Stoneham, . . .	Fire-escape and fire-stops.
Buckman Block,	Woburn, . . .	Fire-escape.
Rumford School,	Woburn.	- -
Town Hall,	Stoneham, . . .	Ventilation.
Middlesex Street School,	Lowell.	- -
Cambridge Street School,	Woburn.	- -
High School,	Winchester.	- -
Parlin Library,	Everett.	- -
Y. M. C. A. Building,	Melrose.	- -
Town Hall,	Billerica.	- -
North Congregational Church,	Lynn.	- -
Nurses' Home,	Malden, . . .	Change in fire-escape.
Dudley Street School,	Cambridge.	- -
Y. M. C. A. Building,	Amesbury, . . .	Changes in stairs.
Free Baptist Church,	Melrose.	- -
John K. Tarbox School,	Lawrence.	- -
Mission Home,	Ipswich, . . .	Changes in stairs.

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICT NO. 1. JOHN T. WHITE, *Inspector.*

TOWN OF —	Orders Given.	Compliances.
Andover.		
Dixon's Dance Hall,	Not to be used until made safe.	-
Chelmsford.		
Town Almshouse,	Fire-escapes in rooms; fire-escape on outside.	In process.
Centre School,	Better ventilation; privies to be kept clean.	Complied.
Everett.		
Odd Fellows' Building,	Change in old fire-escape; one new escape; means for extinguishing fires.	Complied.
Malden.		
Barrett's Opera Hall,	Woodwork to be protected from fire,	Being complied with
Bailey's Block,	One fire-escape; doors to open out; means for extinguishing fire.	Complied.
Hibernian Hall,	One fire-escape; doors to open out, .	Complied.
Lowell.		
Pond Street School,	Better ventilation,	Complied.
Littleton.		
Union School,	Better means of ventilation.	-

Report of Buildings Inspected — Concluded.

TOWN OF—	Orders Given.	Compliances.
Pepperell.		
Town Hall,	Better escape from fire.	-
Reading.		
G. A. R. Hall,	Fire-escape and means for extinguish- ing fire.	Complied.
Odd Fellows' Hall,	Fire-escapes,	Complied.
Masonic Temple,	Fire escape; means to extinguish fire,	Complied.
Somerville.		
High School,	Doors to open out; means to extin- guish fire.	-
Y. M. C. A. Hall,	Fire-stops and change in stairs, .	Complied.
Stoneham.		
Hill's Block,	Fire-escape and means to extinguish fire.	Complied.
Chase's Block,	Fire-escape; means to extinguish fire,	In process.
Winchester.		
Lyceum Hall,	Change in fire-escape and doors; means to extinguish fire.	Complied.
Masonic Hall,	Fire escape; doors to open out, .	Complied.
Woburn.		
Mechanics' Building,	Fire-escape; means to extinguish fire,	Complied.
Lyceum Hall,	Change in doors; means to extinguish fire; repair fire-escape.	Complied.
Highland Hall,	Fire-escape; means to extinguish fire,	Use of hall dis- continued.
G. A. R. Hall,	Fire-escape; doors to open out; means for extinguishing fire.	Complied.
Montvale School,	Fire-escape from attic rooms, and bet- ter ventilation.	Use of attic rooms discon- tinued.
Towanda Club,	Fire-escape; stairs to be railed; means to extinguish fire.	Complied.
High School,	Fire-stop doors to be put in; outside door to open out; means to extin- guish fires; better sanitary appli- ances.	-
Cummings School,	Better sanitary appliances,	In process.

REPORT OF INSPECTOR MURPHY.

SIR:— I herewith submit a tabulated report of inspections made by me during the past year.

I find the laws which I am obliged to enforce very generally complied with, and my orders and suggestions courteously accepted.

From my observation I am led to believe that the laws as they stand to-day on the statute books for the protection of human life in case of fire in public buildings, factories and workshops are as nearly complete as man can make them. Legislation having done its part, enlightened public sentiment can be depended upon to assist the inspectors in the enforcement of all laws enacted for the public good and the improvement of the condition of the working people.

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICTS NOS. 1 AND 9. JOHN F. MURPHY, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Brookline.		
Holtzer Electric Company's Factory.	Fire-escapes; remove obstructions from stairs; box up open stairways; smoke-tight door; main doors to open out.	Complied.
Morloch's Hotel,	Rope fire-escapes,	Complied.
A. A. Cobb Apartment House, .	No order.	-
Boarding-house, Kent Street, owned by A. A. Cobb.	Fire-escapes.	-
J. W. Tobey's Apartment House, .	No order.	-
Braintree.		
Clason Shoe Factory,	No order.	-
Medway.		
Hotel Gladstone,	Rope fire-escape.	-
Almshouse,	Fire extinguisher; steam heat, . .	Will comply.
Lowell.		
Huntington Hall,	Put rear door in safe condition in case of fire.	Complied.
Highland House,	Rope fire-escapes; fire extinguishers; additional ways of egress.	Complied.
Kittredge's Boarding house, . .	Rope fire-escapes; fire pails, . .	Complied.
Whitman Block,	Fire-escapes; extinguishers; fire-stop walls; close up openings in partition walls; remove inflammable materials.	Complied.
Lemay Building,	Fire-escapes.	-
Wheeler Building,	Fire-escapes,	Complied.
Wright Building, corner Merrimack and Cabot streets.	Fire-escapes,	Complied.
Brown's Boarding-house, corner Moody and Prince streets.	Fire-escapes.	-
Lawrence Manufacturing Company's Houses.	No order.	-
Lowell Manufacturing Company Boarding-houses.	Fire-escapes,	Complied.
Waverly House,	No order.	-
Parker Block,	No order.	-
Elliott Building,	Fire-escapes.	-
Emerson House,	No order.	-
Gallagher House,	No order.	-
Gee's Machine Shop,	Fire-escapes; fire pails,	Complied.
Marin Block,	No order.	-
L. D. Gumb's Tenement Block, .	Repair fire-escape,	Complied.
Globe Hotel,	No order.	-
Fesler Building Boarding-house, .	Fire-escape.	-
Runnell's Building,	Fire-escape,	Complied.
White's Block, Budge Street, .	Fire-escapes,	Complied.
Railroad Bank Building, . . .	Fire-stops.	-
Shattuck Building,	No order.	-
O'Brien Block, Wamesit Street, .	No order.	-
Mrs. Giles' Boarding-house, . .	No order.	-
Opera House,	Post notices,	Complied.
Music Hall,	Post notices,	Complied.
Bijou Theatre,	Post notices,	Complied.
Swan Building,	No order.	-
The Bowditch,	No order.	-
Walker Block,	No order.	-
"Sun Building,"	Fire-stop.	-
Scollans' Tenement Block, . . .	Fire-escapes.	-
Shedd Building,	Fire escapes.	-
Corbett's Tenement Block, . . .	No order.	-
Canton.		
Eureka Silk Mills,	Put fire pails in order,	Complied.
American National Twine Company.	No order.	-
Hotel Wellington,	No order.	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Wayland.		
C. W. Dean Shoe Factory, . . .	Fire-escape; fire pails.	-
Marlborough.		
Last Factory,	No order.	-
Savings Bank Building,	No order.	-
Coolidge Shoe Factory,	Additional ways of egress, . . .	Complied.
Hotel Preston,	Rope fire-escapes; notices; extin- guisher.	Complied.
Davey Machine Shop,	No order.	-
Russell House,	Rope fire-escapes,	Complied.
Langley's Tenement Block, . . .	No order.	-
Milford.		
Central House,	No order.	-
Granite House,	Rope fire-escapes,	Complied.
Milford Shoe Company Factory, .	No order.	-
Medfield.		
The Elmwood,	No order.	-
Blackstone.		
Union Hotel,	No order.	-
Lincoln House,	No order.	-
Clarendon Hotel,	Rope fire-escapes,	Complied.
Woonsocket Rubber Company, . .	No order.	-
Lawrence Felting Company, . . .	No order.	-
O'Gara Tenement Block,	No order.	-
Millville House,	No order.	-
Jas. Moran, Tenement Block, . .	No order.	-
Central Boarding-house,	Rope fire-escapes,	Complied.
Hopkinton.		
Hopkinton House,	Rope fire-escapes,	Complied.
Foxborough.		
Foxborough House,	Fire-escapes; fire stops,	Complied.
Cocassett House,	Fire-escape.	-
Franklin.		
Hotel Darling,	No order.	-
Waite's Felting Mill,	No order.	-
Hudson.		
Bingham & Co. Shoe Factory, . .	No order.	-
Morse Tenement Block,	No order.	-
W. C. T. U. Boarding-house, . . .	No order.	-
Holbrook.		
Whitcomb & Paine's Shoe Factory,	Remove inflammable materials, .	Complied.
White & Co.'s Shoe Factory, . . .	No order.	-
Sharon.		
Sharon House,	Rope fire-escapes,	Complied.
Lake View Hotel,	Rope fire-escap-s,	Complied.
Massapoag House,	Rope fire-escapes,	Complied.
Upton.		
Wm. Knolton Sons' Straw Hat Factory.	No order.	-
Factory Boarding house,	No order.	-
Hotel Pleasant,	Post notices,	Complied.

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders given.	Compliances.
Watertown.		
Stanley Dry Plate Factory, . . .	Fire-escape,	Complied.
Etna Mill,	No order.	-
Waltham.		
Riverside Hotel,	Rope fire-escapes.	-
McGurn Tenement Block, . . .	No order.	-
Newton.		
Nonantum Worsted Company, .	Fire-escapes,	Complied.
Mrs. Boyle's Tenement House, .	No order.	-
Silver Lake Company,	Main doors to open out, . . .	Complied.
Newhall Building,	Fire-escapes.	-
Tenement Block, Newhall, . .	Fire-escape.	-
Higgins & Hatch, Building, . .	No order.	-
Natick.		
J. W. Wolcott & Co. Shoe Factory,	Fire-escape.	-
Felch Bros. Shoe Factory, . . .	Fire-escapes,	Complied.
Norwood.		
Central Boarding-house, . . .	Rope fire-escapes,	Complied.
Kelley's Boarding-house, . . .	No order.	-
Needham.		
Eaton House,	No order.	-
Quincy.		
Adams Building,	No order.	-
"The Helene" Hotel,	Rope fire-escapes.	-
Hancock House,	No order.	-
Wollaston House,	No order.	-
Randolph.		
Doughty's Harness Factory, . .	Fire-escape,	Complied.
Bradley, Higney & Leonard Shoe Factory.	Fire-escape,	Complied.
Stoughton.		
Parker House,	Rope fire-escapes,	Complied.
Stoughton House,	Repair fire-escapes,	Complied.
Alms-house,	Box up stairways; fire extinguisher,	Complied.
Melton House,	Rope fire-escapes,	Complied.
Belcher Factory,	No order.	-
Weymouth.		
Wrapper Factory,	Fire-escapes; fire pails,	Complied.
Hotel Fair View,	No order.	-
Bay Side Hotel,	Rope fire escapes,	Complied.
M. C. Dizier Shoe Factory, . .	No order.	-
Wessagusset House,	Put rope escape in place.	-
Wrentham.		
Minot House,	Rope fire-escapes,	Will comply.
Fisher Boarding house,	No order.	-
Farrington House,	No order.	-
D. Brown's Straw Hat Factory, .	No order.	-

*Plans Approved and Changes Recommended.*DISTRICTS NOS. 1 AND 9. JOHN F. MURPHY, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Associate Building, Newton Centre Associates owners.	Newton Centre, .	No change.
Tenement Block, E. F. Longley owner.	Marlborough, .	No change.
Tenement Block, Mrs. Walker owner.	Fayette Street, Lowell.	No change.
Factory Building, G. L. Cady owner.	Western Avenue, Lowell.	Fire-escapes and fire-stops.
Bradley, Hagney & Leonard Shoe Factory.	Randolph, . .	Fire-escape.
Tenement Block, Mrs. Donnelly owner.	Lowell, . .	No change.
Tenement Block, Mrs. Rose McKearney owner.	Madison Street, Lowell.	Fire-escape and fire-stops.
Patterson Building, H. J. Patterson owner.	Newton Highlands,	No change.
Tenement Block, Mr. Robert Simpson owner.	Kidder Street, Lowell.	No change.
Tenement Block, Mrs. Miller owner,	Fletcher Street, Lowell.	Fire-escapes.
Apartment House, Chas. H. Stevens owner.	Brookline, . .	No change.
Tenement Block, J. B. E. Trepanier owner.	Lowell, . . .	Fire-escapes.
Factory, Van Choate Electrical Company owner.	Foxborough, .	Fire-escapes.
Apartment House, Mrs. C. B. Foster owner.	Brookline, . .	No change.
Factory, Chandler Desk and Chair Company owner.	Walpole, . .	Fire-escape.
Tenement Block, Miss Bellmore owner.	Lowell, . . .	Fire-escapes and fire-stops.
Barker Building, Mrs. C. J. Barker owner.	West Newton, .	No change.

REPORT OF INSPECTOR MOORE.

SIR:—I have the honor to make the following report of work done by me the past year.

In the class of work to which I am assigned it is not practicable to report in tabulated form a greater part of the duty performed. Consultation with architects, builders and owners, in the matter of construction and ventilation of buildings, the supervision of buildings in process of construction, examination of buildings reported unsafe, testing of various systems of heating, ventilation and sanitation, and examination of unventilated buildings, have taken a very considerable part of my time, and cannot well be reported in detail. Many of the buildings have required several consultations and visits, to obtain the desired degree of safety and healthful conditions; special reports have been made in a number of cases,—all of which has taken time.

Two appeals have been made to local boards of health from orders issued for better ventilation and sanitary provisions in school-houses. In one case the order was set aside by the local

board of health ; but the town afterwards complied with the orders, and applied to this department for information as to the best means to accomplish the desired results. In the other case no report has ever been made by the local board of health, so far as I know, but the town is now building a better and larger school-house.

If committees and owners would consult with the inspectors before signing contracts, expense could be saved in many cases. It is much better to know what changes may be required in ways of egress and ventilation before contracts are signed, than to have the changes made afterwards, and have a large bill of "extras" added.

Great improvement is noticed, in the construction of buildings, in the precautions taken against spread of fire, and also in the heating and ventilation of public buildings. The law requiring the architects as well as owners to file with this department the plans and specifications for ventilation, is producing excellent results, and enables the inspectors to inform the parties interested as to the best and most practical way to obtain the desired results. In a number of cases where architects have shown the rough plans changes have been suggested that were made before the plans were finished, and saved the trouble of altering the finished drawings.

Plans Received and Changes Recommended.

DISTRICTS NOS. 2, 3 AND 6. JOSEPH A. MOORE, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Howard & Bullough's American Machine Company's Works.	Attleborough, .	Doors open out.
Soloman's Hospital,	Attleborough, .	Fire-escapes and defective walls rebuilt.
First Baptist Church,	Braintree, . . .	Fire stops; doors open out.
Thayer Academy Gymnasium, .	South Braintree.	- -
Scandinavian Church,	Blackstone (Millville).	Fire-stops; doors open out.
Riverdale Casino,	Brookline.	- -
High School,	Brookline, . . .	Ventilation not approved.
Eliot School,	Canton,	Changes in ventilation.
Norfolk County Court House, .	Dedham.	- -
Avery School-house,	Dedham.	- -
Thatcher Bros. Glass-cutting Shop,	Fairhaven, . . .	Fire-escape.
Public Homestead,	Fairhaven, . . .	Fire stops.
Flint Building,	Fall River.	- -
Children's Home,	Fall River, . . .	Additional egress.
Rich's Parlor Theatre,	Fall River.	- -

Plans Received, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
Coughlin School,	Fall River, . .	Additional egress.
Saint Ann's Convent,	Fall River, . .	Fire-stops; ventilation not approved.
Armory, W. W. Trowbridge's Building.	South Framingham.	Additional egress.
Library Building,	Hopkinton.	- -
High School,	Hopkinton, . .	Fire-stops; change in ventilation.
Graves Block,	Hudson, . .	Additional egress and ventilation.
Lawrence Block,	Hudson, . .	Additional egress and ventilation.
Chase Block,	Hudson, . .	Additional egress and ventilation.
Cochrane Building,	Hudson, . .	Additional egress and ventilation.
Medfield Insane Asylum:—4 buildings "D," 2 buildings "G," 1 building "H," 1 building "I," 1 building "J;" heating and ventilation plans, 4 buildings "B" (revised), 4 buildings "C" (revised), 4 buildings "D" (revised).	Medfield, . .	Plans not approved.
School-house,	East Milton, . .	Fire-stops.
East Milton Baptist Church, . .	East Milton, . .	Fire-stops; doors open out.
Ellsworth Building,	East Milton, . .	Fire-escape changed.
J. J. Merrill's Building,	East Milton.	- -
Methodist Episcopal Church, . .	Newton Highlands,	Change in ventilation.
School-house,	Newton Highlands,	Change in ventilation.
Library Newton Theological Institution.	Newton Centre.	- -
Madison Street School,	New Bedford.	- -
Acushnet Avenue Church,	New Bedford, . .	Doors to open out.
T. J. Meany Building,	New Bedford, . .	Fire-stops; means of extinguishing fire.
St. Luke's Hospital,	New Bedford, . .	Fire-escape and better egress; ventilation not approved.
Union for Good Works Building, . .	New Bedford, . .	Change fire-escape.
Pierce Manufacturing Company's addition.	New Bedford.	- -
Murphy Block,	North Easton, . .	Fire-stops; fire-escape; means of extinguishing fire.
Unionville School house,	North Easton.	- -
Union Chapel,	Quincy (Hough's Neck).	- -
Catholic Chapel,	Quincy (Hough's Neck).	- -
Workmen's Building,	Quincy (Norfolk Downs).	Fire-escape; fire-stops.
High School,	Quincy.	Additional egress.
Methodist Episcopal Church, . .	Quincy (Atlantic).	Fire-stops.
St. Chrysostom's Church,	Quincy (Wollaston).	- -
Congregational Church,	Quincy, . .	Fire-stops.
Parochial School,	Randolph, . .	Plans not approved.
No. 2 School,	Swansea.	Metal ducts; ventilation not approved.
Goodnow Library addition,	South Sudbury.	- -

Plans Received, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
South Grammar School addition, .	Waltham.	- -
Methodist Episcopal Church, . .	Watertown, . .	Basement doors open out.
Grammar School,	Watertown.	- -
Fiske Cottage, Wellesley College, .	Wellesley, . .	Fire-escape; means of extinguish- ing fire.
High School,	Wellesley Hills.	- -
Boat House, Wellesley College, .	Wellesley, . .	Building strengthened and piles driven.
Chemical Laboratory, Wellesley College.	Wellesley, . .	Additional egress.

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICTS NOS. 2, 3 AND 6. JOSEPH A. MOORE, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Attleborough.		
Sturdy Block, Masonic Hall, . .	Fire-escape; doors open out; means to extinguish fire.	Complied.
Briggs' Block, G. A. R. Hall, . .	Means to extinguish fire,	Complied.
Dean's Block,	Fire escape; doors open out; means to extinguish fire.	Complied.
Bates' Opera House,	Hose for stand-pipe put in order, .	Complied.
Crandall Hall,	Means to extinguish fire,	Complied.
Armory Hall,	Means to extinguish fire.	-
Boston.		
Old Taft's Tavern School-house, .	Better sanitary and ventilation, .	Complied in part.
Brookline.		
Guild Block,	Fire-escape; doors open out; means to extinguish fire.	-
Canton.		
Brooks' Block, Masonic Hall, . .	Better egress and means to extinguish fire.	Complied.
Gridley School-house,	Better ventilation and sanitary, .	Appeal to Board of Health.
Dedham.		
Almshouse,	Better means of extinguishing fire, .	Complied.
Ames School,	Means of extinguishing fire; better ventilation.	Complied in part.
Oakdale Hall,	Fire-escape; means of extinguishing fire.	-
Easton (North).		
Lothrop Building,	Fire escape; doors changed; means to extinguish fire.	Complied.
Spooner Building,	Fire-escape; doors changed; means to extinguish fire.	Complied.
Murphy Building,	Better protection against spread of fire.	Complied.
Fairhaven.		
Phoenix Hall,	Fire-escape; means of extinguishing fire.	Use of hall dis- continued.
Fall River.		
St. Joseph's Orphanage,	Fire-escape; means of extinguishing fire.	Complied.
Lincoln School-house,	Better ventilation and sanitariums.	-

Report of Buildings Inspected—Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Framingham.		
State Normal School, . . .	Special report,	Changes made.
Hudson.		
School Street School-house, . .	Better egress, ventilation and sanitar- ies.	Complied.
Hyde Park.		
Public Library and Masonic Hall, .	Building strengthened, . . .	Complied.
Needham.		
Kingsbury Block,	Building strengthened, . . .	Complied.
Newton.		
Bigelow School-house, . . .	Better protection against fire.	-
Underwood School-house, . .	Better protection against fire.	-
Thompsonville School-house, . .	Improve heating and ventilation, .	Complied.
New Bedford.		
Cummings Block,	Doors open out; means of extinguish- ing fire.	Complied.
Wing Building (I. O. O. F. Hall), .	Fire-escape; doors open out; means of extinguishing fire.	Complied.
G. A. R. Hall, Post 1,	Doors open out; means of extinguish- ing fire.	Complied.
G. A. R. Hall, Post 190,	Fire-escape; doors open out; means of extinguishing fire.	Complied.
Ricketson Block,	Fire-escape; doors open out; means of extinguishing fire.	Complied.
Norton.		
Wheaton Female Seminary, Dor- mitory.	Rope fire-escape in sleeping-rooms, .	Complied.
Wheaton Female Seminary, Hall, .	Means of extinguishing fire in third story.	Complied.
Randolph.		
Prescott School-house,	Better ventilation and sanitar-ies.	-
Stoughton.		
Masonic Hall Block,	Means of extinguishing fire, . .	Complied.
Taunton.		
Skinner's Block, Masonic Hall, .	Fire-escape; doors open out; means of extinguishing fire.	Complied.
Weir Grammar School,	Special report to public property committee.	-
Cohannet Grammar School, . .	Special report to public property committee.	-
Watertown.		
Francis School-house,	Special report.	-
Wellesley.		
North School-house,	Better ventilation and sanitar-ies, .	Complied.
Boat House, Wellesley College, .	Building strengthened and piles driven.	Complied.
Fiske Cottage, Wellesley College, .	Additional means of egress, . .	Complied.
Weymouth.		
Pythian Hall,	Fire-escape; doors open out; means of extinguishing fire.	Complied.

REPORT OF INSPECTOR BROWN.

SIR : — In submitting my tabulated report of buildings inspected and orders given during the past year I may add that considerable time has been occupied in conferring with committees and testing the ventilation of school-houses. The ventilation of school buildings I consider one of the most important duties which you have assigned me. Most of the larger towns now acknowledge the beneficial effects derived from modern ventilated school-rooms, and which are particularly noticeable in the increased amount of cheerfulness, activity and lively interest in all the school work. They therefore begrudge no expense to provide healthy and well-ventilated school-rooms, that the school children may have every possible advantage. While this is the general feeling throughout my district, I find occasionally a town where the people are utterly opposed to ventilating their school-houses, particularly their old buildings, regarding it as something entirely useless, and a waste of the money so expended, — and this, too, when their school-rooms show from thirty to fifty parts of carbonic acid in ten thousand parts, the effect of this highly vitiated air being but too apparent in the listlessness of the pupils, a lack of attention, dulness of comprehension and a general uneasiness. Using the brain in a vitiated atmosphere has been compared to working with a blunted instrument, and only imperfect results can be expected.

Not only is the capacity for school work thus diminished, but, what is of more vital importance, the health of such pupils is very seriously endangered. An eminent French physician (Baudoloue) has affirmed that “ the repeated respiration of the same atmosphere is a primary and efficient cause of scrofula, and it is not always necessary that there should have been a prolonged stay in such an atmosphere, but *a few hours* each day is sufficient.” Again, he says that “ if there be entirely pure air, there may be bad food, bad clothing and a want of personal cleanliness, but scrofulous diseases cannot exist.” In confirmation of this statement, I quote from an old work that “ in 1832, at Norwood School, in England, where there were six hundred pupils, scrofula broke out extensively among the children and carried off great numbers. This was ascribed to bad and insufficient food. Dr. Arnott was employed to investigate the matter, and immediately decided that the food was most abundant and good, assigning *defective ventilation* and consequent atmospheric impurity as the true cause.” Ordinary

air, when taken into the lungs in breathing, contains about four parts of carbonic acid in ten thousand parts; but when expelled, the carbonic acid has increased from four to about four hundred and seventy parts, and in addition contains a greater or less quantity of animal matter of a highly decomposable character. Yet so little do parents think or care about this subject, that they send their children to poorly ventilated school-rooms, where day after day they are obliged to breathe more or less highly vitiated air, thus rapidly developing any inherited tendencies to scrofulous and pulmonary complaints, if not actually producing them.

All the new school-houses within my district that have been erected during the year have been ventilated in an approved manner; and, if many of the old buildings are yet unventilated, the work is going on, and I can report very satisfactory progress.

Plans Approved and Changes Recommended.

DISTRICT No. 4. EDWIN Y. BROWN, *Inspector.*

BUILDING	Location.	Changes Recommended.
M. E. Church,	Bourne.	- -
Swedish M. E. Church,	Brockton, . . .	Additional ways of egress.
Addition to Grover's Shoe Factory,	Brockton, . . .	Fire-escape.
Addition to D. W. Field's Shoe Factory.	Brockton, . . .	Fire-escape.
Grand Army Building,	Brockton.	- -
Carey School-house,	Brockton.	- -
Addition to State Farm Buildings, .	Bridgewater.	- -
Marble's Tenement Block,	Chelsea, . . .	Fire-stops.
Broadway Theatre,	Chelsea, . . .	Fire-proof curtain and fire-proof proscenium walls.
Powder Point Hall,	Duxbury, . . .	Better ways of egress.
Thaxter Street School-house, . . .	Hingham, . . .	Change in ventilation.
Hingham Centre School house, . . .	Hingham, . . .	Change in ventilation.
Universalist Church,	Norwell.	- -
Allerton Street School-house, . . .	Plymouth, . . .	Change in ventilation.
Spooner Street School-house, . . .	Plymouth.	- -
North Scituate Chapel,	Scituate.	- -
Young's Hotel,	Winthrop, . . .	Better ways of egress and fire-stops.

Certificates Issued.

PUBLIC BUILDINGS, FACTORIES, WORKSHOPS AND TENEMENT-HOUSES.	Story.	Location.	Date of Certificate.	INSPECTOR.
Lynn Theatre, Auditorium, . . .	1	Lynn, . . .	1894. Feb. 9,	A. J. Cheney.
Gallery of Lynn Theatre, Auditorium.	2	Lynn, . . .	9,	"
Music Hall, Auditorium, . . .	2	Lynn, . . .	9,	"
Gallery Music Hall, Auditorium, .	3	Lynn, . . .	9,	"
Lucern Hall,	4	Lynn, . . .	9,	"
Small Lucern Hall,	3	Lynn, . . .	9,	"
Haskins Hall,	3	Rockport, .	9,	"
Haskins Hall,	2	Rockport, .	9,	"
Brown Building,	1	Lynn, . . .	Oct. 24,	"
Brown Building,	2	Lynn, . . .	24,	"
Brown Building,	3	Lynn, . . .	24,	"
Brown Building,	4	Lynn, . . .	24,	"
Brown Building,	5	Lynn, . . .	24,	"
Brown Building,	6	Lynn, . . .	24,	"

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICT NO. 4. EDWIN Y. BROWN, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Bridgewater.		
Academy Building, occupied by the High School.	Better ventilation,	Complied.
Brockton.		
Thompson's Factory Building, .	Better way of egress,	Complied.
F. M. Shaw & Son's Shoe Factory,	Inside stairway at rear of building to be opened.	Complied.
F. M. Shaw & Son's Leather Bleaching Building.	Additional way of egress from second floor, by cutting a door to adjoining building.	Complied.
Old Colony House,	Knotted ropes in lodging-rooms, .	Complied.
Tremont House,	Knotted ropes in lodging-rooms, .	Complied.
Spaulding's Lodging House, . .	Knotted ropes in lodging-rooms, .	Complied.
The Gordon,	Knotted ropes in lodging-rooms, .	House vacated.
Arlington House,	Vacated; will need knotted ropes in lodging-rooms when occupied.	-
Chelsea.		
Chelsea House,	Knotted ropes in lodging-rooms, .	Complied.
W. T. Bolton's Society Hall, . .	Fire-escape,	In process of construction.
Everett Avenue Tenement Block, .	To be made safe and secure, . .	Complied.
Cohasset.		
Cohasset House,	Knotted ropes in lodging-rooms, .	Complied.
Duxbury.		
Powder Point Hall,	Portable fire-escapes in lodging-rooms,	Complied.
Hollis House,	Knotted ropes in lodging-rooms.	-

Report of Buildings Inspected—Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Hull.		
Hotel Pemberton,	Portable fire-escapes in lodging-rooms,	Complied.
Hillside House,	Knotted ropes in lodging-rooms, .	Complied.
Montasco House,	Knotted ropes in lodging-rooms, .	Complied.
Hotel Clifton,	Knotted ropes in lodging rooms, .	Complied.
Weymouth House,	Knotted ropes in lodging-rooms, .	Complied.
Ocean House,	Knotted ropes in lodging-rooms, .	Complied.
Ocean House Annex,	Knotted ropes in lodging-rooms, .	Complied.
Pilgrim House,	Knotted ropes in lodging-rooms, .	Complied.
Arlington House,	Knotted ropes in lodging-rooms, .	Complied.
Mattapoissett.		
Mattapoissett House,	Knotted ropes in lodging-rooms, .	Complied.
Middleborough.		
Moulton's Hotel,	Knotted ropes in lodging-rooms, .	Complied.
Plymouth.		
Hotel Pilgrim,	Post notice of ways of egress in lodging-rooms.	Complied.
Brastow House,	Knotted ropes in lodging-rooms, .	Complied.
Manomet House,	Knotted ropes in lodging-rooms, .	Complied.
Sims House,	Knotted ropes in lodging-rooms.	-
Rockland.		
Richardson House,	Knotted ropes in lodging-rooms, .	Complied.
Webster Building,	Fire-escape.	-
Scituate.		
Sea View House,	Knotted ropes in lodging-rooms, .	Complied.
Centennial House,	Knotted ropes in lodging-rooms.	-
Wareham.		
Marcy House,	Knotted ropes in lodging-rooms, .	Complied.
Union Villa,	Knotted ropes in lodging-rooms.	-
Winthrop.		
The New Winthrop,	Electric gong,	Complied.
Hotel Dearborn,	Knotted ropes in lodging-rooms and means to extinguish fire.	-
The Hawthorne,	Knotted ropes in lodging-rooms.	-

The following buildings have also been inspected, and the provisions of the several laws applying to them have been complied with:—

ABINGTON.—Keene's Hotel, Centennial House, Culver House.

BRIDGEWATER.—Hyland House.

BROCKTON.—Huntington School-house, Prospect Street School-house, Kingman School-house, Hotel Belmont, Metropolitan Hotel, Commercial House, Hotel Crescent, City Hotel, Central House, Campello House, Winslow House, Montello House,* Thorndike House,* Winthrop House,* Centre House,* Hotel Glover,* Elm House,* Garfield House,* Whipple & Freeman Building, Savings Bank Building.

CHELSEA.—City Hotel, Broadway House, Central House, Carey School-house.

COHASSET.—Black Rock House.

DUXBURY.—Myles Standish House.

EAST BRIDGEWATER.—American House, Central House.

HANOVER.—Howard House.

HANSON.—Wampatuck Library Building.

HINGHAM. — Cushing House, Rose Standish House, Thaxter Street School-house, Hingham Centre School-house, Fort Hill School-house, South School-house.

HULL. — Atlantic House, Atlantic House Annex, Rockland House, Rockland Café, Hotel Nantasket, Pacific House, Randolph House, Taylor's Tavern, Oregon House, East End House, Fair Haven House, Standish House, Hotel Cleveland, Park House, Wentworth House, Gun Rock House, Straits Pond House.

KINGSTON. — Patuxet House.

MARION. — Sippecan House.

MATTAPOISETT. — Bay View House.

MARSHFIELD. — Agricultural Building, Ocean House, Brant Rock House, Hotel Churchill, Fair View House, Webster House, Green Harbor House, The Winslow.

MIDDLEBOROUGH. — Nemasket House.

PLYMOUTH. — Armory Building, High School Building, Samoset House, Central House, Plymouth Rock House, Franklin House.

REVERE. — Shurtleff School-house, Walnut Avenue School-house, Russell House, Central House, Hotel Gleason, Malvern House, Hotel Beachmont, Hotel Pines, Atlantic House, Revere House, Crowley's Hotel, The Strathmore, Oak Island House, Columbus House, Bay View House, Hotel Garland, Grand View House.

ROCKLAND. — High School Building, Rockland Opera House, Sherman House.

SCITUATE. — High School Building, East Grammar School-house, Hotel Humarock, Florence House, Mitchell House, Harbor House, Coleman Hill Cottage, Konohasset Hall, Hotel Onset, Glen Cove House, Brockton House, Avenue House, Central House, Washburne House, Kendrick House, Wankinco House, Odd Fellows' Building.

WHITMAN. — Hotel Bates, Linden House, Hobart House, High School Building.

WINTHROP. — Town Hall, Young's Hotel, The Alhola, The Argyle, The Leighton House, Shirley House, Winthrop House, Adams House, Ocean House, Colonial House, Nevada House, Cottage Park House.

Plans Approved and Changes Recommended.

DISTRICT No. 7. WARREN S. BUXTON, *Inspector.*

BUILDING.	Location.	Changes Recommended.
J. L. Worthy's Block, . . .	Springfield, . . .	No changes.
Y. M. C. A. Building, . . .	Springfield, . . .	Additional egress; fire and smoke stops.
Springfield Art Building, . . .	Springfield, . . .	No changes.
E. B. Smith's Block, . . .	Springfield, . . .	Fire and smoke stops; additional egress.
James Abbie's Block, . . .	Springfield, . . .	Fire and smoke stops; additional egress.
Cutler & Porter's Block, . . .	Springfield, . . .	Fire and smoke stops.
L. W. Besse Tenement Block, . . .	Springfield, . . .	Fire and smoke stops.
E. C. Sheldon's Block, . . .	Springfield, . . .	Fire and smoke stops; additional egress.
J. R. Driscoll Block, . . .	Springfield, . . .	Fire and smoke stops.
Miller's Tenement Block, . . .	Springfield, . . .	Fire and smoke stop.
Strickland School addition, . . .	Springfield, . . .	Fire and smoke stop; ventilation.
West Springfield Grammar School,	West Springfield,	Ventilation; fire and smoke stops.
South Hadley Congregational Church.	South Hadley, . .	Fire and smoke stops.
Hadley School,	Hadley,	Fire and smoke stop.
Mountain House,	On Mt. Holyoke, . .	Fire and smoke stops.
H. D. Pease Block,	Westfield,	Additional egress.
Parks Block,	Westfield,	Additional egress; fire and smoke stop.
Mrs. Waterman's Block,	Westfield,	Additional egress; fire and smoke stops.

Plans Approved, etc.—Concluded.

BUILDING.	Location.	Changes Recommended.
Dormitory Smith College, . . .	Northampton, . . .	Fire and smoke stops.
Amherst School,	Amherst, . . .	Ventilation.
French School Building,	Holyoke, . . .	Fire and smoke stop.
L. A. La, Francis Block,	Holyoke, . . .	Fire and smoke stop.
Congregational Church,	Holyoke, . . .	No changes.
J. C. Keough Factory,	Holyoke, . . .	Additional egress.
French Church,	Chicopee Falls, . .	Additional egress; fire and smoke stops.
Lamb Manufacturing Company's Factory.	Chicopee Falls, . .	Additional egress; fire and smoke stop.
John Hines' Block,	Chicopee, . . .	Fire and smoke stops.
W. H. Whitcomb Block,	Northampton, . .	Additional egress.
Congregational Church,	North Blandford,	No changes.
Elmwood School,	Holyoke, . . .	Fire and smoke stops.
Ward One School,	Holyoke, . . .	Fire and smoke stops.

*Plans Approved and Changes Recommended.*DISTRICT No. 5. JOSEPH M. DYSON, *Inspector.*

BUILDING.	Location.	Changes Recommended.
United Presbyterian Church, . . .	Clinton, . . .	None.
Clinton Wire Cloth Company, . .	Clinton, . . .	Additional egress.
Town Hall,	Leominster, . . .	Fire-stops and ventilation.
C. C. Houghton's Block,	Worcester, . . .	Additional egress.
Y. M. C. A. Building,	Fitchburg, . . .	Stairs widened and ventilation.
Priest Street School,	Leominster, . . .	None.
Abbott Street School,	Worcester, . . .	None.
Sawyer's Block,	Worcester, . . .	Additional egress.
Dartmouth Street School,	Worcester, . . .	None.
Dartmouth Street School Ventilation,	Worcester, . . .	Enlarged ducts.
Grammar School, six rooms, . . .	Athol,	Fire-stops.
Pequog House,	Athol,	Fire-stops; additional egress.
High School,	Fitchburg, . . .	None.
Grammar School,	Barre,	Additional egress and ventilation.
Grammar School,	Northborough, . .	Fire-stops and ventilation.
Heating and Ventilating High School,	Fitchburg, . . .	None.
Pellets Brothers Block,	Worcester, . . .	Fire-stops.
John E. Days' Block,	Worcester, . . .	Fire-stops.

Plans Approved, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Heating and Ventilation High School,	Webster, . .	None.
Stark's Boot and Shoe Factory, .	Worcester, . .	Additional egress.
Spruce Street School, . . .	Leominster, . .	None.
G. M. Kendall's Block, . . .	Leominster, . .	Fire-stops and additional egress.
Timothy Joyce Block, . . .	Worcester, . .	None.
Robert Ruddy's Block, . . .	Worcester, . .	None.
G. W. Coomb's Block, . . .	Worcester, . .	Fire-stops.
Favor & Lowe's Block, . . .	Gardner, . .	Additional egress and doors open out.
Clark's Block,	Oxford, . .	Fire-stops.
A. G. & W. G. Wesson Block, .	Worcester, . .	None.
Parson's Block,	Worcester, . .	Additional egress.
Addition to Grammar School, .	Gardner, . .	Ventilation and sanitary.
Warde Street School, . . .	Fitchburg, . .	None.
Freeman's Block,	Fitchburg, . .	Fire-stops and egress.
Opera House,	Fitchburg, . .	Additional egress.
Whitney's Box Shop, . . .	Leominster, . .	Additional egress.
First Swedish Congregation Society,	Fitchburg, . .	None.
Langlois Block,	Worcester, . .	Fire-stops.
Cunningham Block,	Millbury, . .	None.
Riverdale Woolen Mill, . . .	Northbridge, .	Additional egress.
Upsula Street School, eight rooms, .	Worcester, . .	None.
Ward Street School, eight rooms, .	Worcester, . .	None.
Grammar School,	Northbridge, .	None.
Addition to Mayo & Lackey's Block,	Leominster, . .	Fire-stops.
Farm House, Worcester Lunatic Hospital.	Worcester, . .	None.
Additional four rooms, Adams Square School.	Worcester, . .	None.

*Report of Buildings Inspected.*CLASS No. 1, DISTRICT No. 5. JOSEPH M. DYSON, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Ashburnham.		
Cushing Academy,	Better ventilation,	Complied.
Athol.		
Richardson's Block, . . .	Doors to open out; fire-escape to be repaired.	In process.
Carduny Block,	Fire-escape,	Complied.
Pequoig House,	Fire-stops and additional egress, .	In process.

Report of Buildings Inspected—Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Barre.		
Barre Town Farm Buildings, . . .	Improved heating system recommended.	-
High School,	Better ventilation; heating system recommended.	-
Grammar School,	Additional egress; better ventilation and sanitarities.	Complied.
Clinton.		
Clinton Wire Cloth Company, . .	Additional egress; windows to open out.	Complied.
Fitchburg.		
Pitts Cotton Mill,	Additional egress; fire-escape, . .	Complied.
Clarendon Street School,	No orders.	-
Laurel Street School,	Ventilation not approved,	Contractor notified.
Opera House,	Additional egress,	Complied.
American House,	No orders.	-
Fitchburg Hotel,	No orders.	-
Gardner.		
Favor & Lowe Block,	Additional egress; fire-escape, . .	Complied.
West Street School,	Better ventilation,	Complied.
School Street Grammar School, . .	Better ventilation and sanitarities, .	Special report to school committee.
Holden.		
Town Farm Buildings,	Additional egress; ventilation and sanitarities.	Complied.
Leominster.		
Spruce Street Grammar School, . .	No orders.	-
Town Hall,	Automatic sprinklers,	Complied.
Whitney's Box Shop,	Additional egress,	Complied.
Leicester.		
Rochdale Grammar School,	Better ventilation,	Complied.
Northborough.		
High School,	Better ventilation and sanitarities, .	Complied.
Grammar School,	Better ventilation and sanitarities, .	New building being constructed.
Northbridge.		
Whitinsville Grammar School, . .	Better ventilation and sanitarities, .	Complied.
Whitinsville High School,	No orders.	-
Princeton.		
Goodnow Memorial,	Better ventilation,	Complied.
Spencer.		
J. Prouty's & Co. new Shop, . . .	Fire-escape,	Not occupied.
St. Mary's Church,	Additional egress,	Complied.
West Boylston.		
Harris Hall,	Fire-escape; stage curtains to be fire-proof.	Complied.
West Boylston Manufacturing Company.	No orders.	-
Clarendon Mill,	No orders.	-
Winchendon.		
Academy School,	Better ventilation and sanitarities, .	New building asked for.
Village Mill,	Floors to be strengthened,	Complied.
Shrewsbury.		
High School,	Better ventilation and sanitarities, .	Complied.

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Westborough.		
State Insane Hospital, . . .	Better ventilation; electric light in place of naphtha gas.	Complied.
Lyman School for Boys, . . .	Additional watchman; better ventilation; additional egress to be provided.	Partially complied.
High School,	Better ventilation,	Complied.
Grammar School,	Better ventilation,	Complied.
Westminster.		
High School,	Better ventilation,	Complied.
Webster.		
High School,	Better ventilation,	Complied.
Slater's Woolen Mill,	No orders.	-
Worcester.		
Jonas Clark's Block,	Fire-escape,	Complied.
Lewis Barnard's Block,	Fire-escape,	Complied.
Thomas Street School, twelve rooms,	Better ventilation and sanitarries, . .	Complied.
C. C. Houghton's Block,	Doors to open out; fire-escape extended.	Complied.
Winslow Street School, thirteen rooms.	Better ventilation and sanitarries, . .	Complied.
Bowker's Block,	Fire-escape,	Complied.
Turner Building,	Fire-escape,	Complied.
Barnes Hotel,	Fire-escape,	Complied.
A. G. Esterbrook's Block,	Additional egress; doors to open out,	Complied.
Rice & Griffin Manufacturing Company.	Additional egress,	Complied.
Sawyer's Block,	Stairs made wider,	Complied.
Y. W. C. A. Building,	Additional egress; fire-gongs and watchmen.	Not complied, — no doubt will be.

REPORT OF ANSEL J. CHENEY.

SIR:—I have the honor to submit the following report of the work done in my district during the past year.

Comprising Essex County, I have also been assigned to Middlesex County a portion of the time. Two hundred and fifty-four buildings have been inspected, and visits have been made to nearly as many more places where no inspections were made. Plans have been received for forty-three buildings, many of them requiring changes in the arrangement of the egress and the method of construction in order to comply with the law. They have nearly all been carefully looked after, to see that they were properly provided with means to prevent the spread of fire, and in several instances I have had parts of the building removed, in order that fire-stops might be put in. Many of the contractors, not being familiar with our specification for fire-stops, construe it in such a way as to make them entirely useless; and when these cases have come to my notice after the work has been completed, I have had it removed and the proper fire-stops put in.

A year ago, as I looked over my district, I felt that I had pretty well covered the ground in the past, and in the year to come I should be able to devote much of my time to the making of plans and getting them in order to be referred to, in case anything should arise whereby a plan of the place might be desired; for it seemed to me that, with an increase in the number of buildings inspected from year to year, with orders issued and complied with, there would soon be an end to a great deal of the outside work, and we should necessarily have to devote more time to our office work. In this respect I have been disappointed. I find that my tabulated report shows more inspections made and more orders issued this year than last, thus requiring more time on the district and less in the office.

I have inspected during the past year many buildings on which fire-escapes have been placed in years past, and which to the casual observer would be considered well provided with means of escape in case of fire. Some of these I have found on close examination to be weak, rotten and dangerous, in case they were called into use. I have had them removed, and good, substantial iron escapes put in their places, which have greatly added to the safety of the buildings, and relieved the owners, as well as the inspector, of the great responsibility resting upon them. This shows the insecure condition of wooden fire-escapes on any building after they have been in use a few years. They are usually constructed of spruce, and if they are not properly looked after and kept painted, in a few years become so rotten that should they be called into use in case of fire there would be great danger of their giving way, and precipitating those that were on them to the ground, as well as cutting off the means of escape for others that had relied on the fire-escape as a means of egress. For my part, I shall feel relieved when all of the wooden fire-escapes in my district have been replaced by good, substantial iron ones.

The laws in relation to providing watchmen, red lights, notices and fire-alarm gongs in hotels and boarding and lodging-houses of over fifty rooms, being three or more stories high, are with few exceptions generally complied with. To my knowledge there are no such buildings in my district but what are fully provided with red lights, notices, watchmen and electric alarm gongs, also with portable fire-escapes in sleeping-rooms in hotels; but even these have to be looked after pretty sharply, as I recently found a hotel of sufficient size to require two watchmen at night with nobody on duty. The proprietor was immediately summoned into court, and has since complied with the law.

The law requiring lodging-houses containing ten or more rooms

above the second story to be provided with portable fire-escapes in sleeping-rooms has not been in operation long, and I have not had the opportunity to observe how well it is being complied with. There have been but few calls for certificates during the past year, and I have had very little time to make plans.

There have been no serious fires in my district during the year, and if one should occur I feel that I have the buildings so provided with egress that all might escape in safety.

In conclusion, I will say that many buildings have been provided with fire-escapes during the past year, and I have been consulted in regard to the location of them, when at the time it was not necessary for me to make an inspection, they not coming under the law, but were being remodelled so that they would come under the law when completed, the owner preferring to fix them right in the first place, and before they were so occupied as to make an inspection of them necessary.

In most cases my orders have been received with a kind spirit, and in many cases I immediately received letters informing me that the order would be complied with.

Some criticism has been occasioned by my ordering fire-escapes on buildings that had in former years been provided with them ; but in most cases where I have felt that the fire-escape was not safe, either from its mode of construction or the material it was made of, I have not hesitated to order new ones.

Plans Approved and Changes Recommended.

DISTRICT No. 8. ANSEL J. CHENEY, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Smith & Dore Mill,	Andover,	None.
Mansion House, Addition, . .	Andover,	Additional egress.
C. Murphy's Factory,	Beverly,	None.
Hawthorn Inn, Addition, . . .	Gloucester,	Additional egress.
Ocean Side Hotel, Addition, . .	Gloucester,	None.
Cape Ann Shoe Factory, Addition, .	Gloucester,	Additional egress.
Elliott Block, Remodelled, . . .	Haverhill,	Additional egress.
Hucking Block, Remodelled, . .	Haverhill,	Additional egress.
Hayes Block,	Haverhill,	None.
Old Ladies' Home, Addition, . .	Haverhill,	Fire-stops.
Allen's Block,	Haverhill,	Fire-stops.
Lebasquet Block, Remodelled, .	Haverhill,	Additional egress.
Centre Block,	Ipswich,	Fire-stops.

Plans Approved, etc.—Concluded.

BUILDING.	Location.	Changes Recommended.
Dugrus Tenement House, . . .	Ipswich, . . .	Fire-stops.
Measures Block,	Ipswich, . . .	Fire-stops; additional egress.
Red Men's Block,	Ipswich, . . .	Fire-stops; additional egress.
Wilde's Block,	Ipswich, . . .	Fire-stops; additional egress.
Seahill's Tenement House, . .	Ipswich, . . .	Additional egress.
Breed's Block,	Lynn,	Fire-stops.
West Lynn Hotel,	Lynn,	Fire-stops.
Miles Building,	Lynn,	Additional egress.
Brockway & Smith Storehouse, .	Lynn,	No order.
Eastern Yacht Club House, Addition,	Marblehead, . .	No order.
Little & Larkin's Block, . . .	Merrimac, . . .	Additional egress.
Perault's Tenement House, . .	Lawrence, . . .	Fire-stops; additional egress.
Fairfield's Tenement House, . .	Lawrence, . . .	Fire-stops; additional egress.
Collins' Tenement House, . . .	Lawrence, . . .	Fire-stops.
Desmond's Block,	Lawrence, . . .	Fire-stops.
Sladdin's Block,	Lawrence, . . .	Fire-stops.
Oswald's Block,	Lawrence, . . .	None.
King's Tenement House,	Lawrence, . . .	None.
Hotel Tudor,	Nahant,	None.
Bass Point House,	Nahant,	None.
Thomas O'Shea's Morocco Factory,	Peabody,	None.
A. B. Clark's Morocco Factory, .	Peabody,	None.
Boat Club House,	Salem,	None.
Paurie's Tenement House, . . .	Salem,	Fire-stops.
Methodist Church,	Salem,	Outside doors to swing out.
Revel Tenement House,	Salem,	Fire-stops.
Fugrees Tenement House, . . .	Salem,	Additional egress; fire-stops.
Perault Tenement House,	Salem,	Additional egress; fire-stops.
Guilmet Tenement House, . . .	Salem,	Additional egress; fire-stops.
Pettetin Tenement House, . . .	Salem,	Additional egress; fire-stops.

*Report of Buildings Inspected.*CLASS NO. 7, DISTRICT NO. 8. ANSEL J. CHENEY, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Andover.		
Smith & Dord Mill No. 2,	Extend fire-escape,	Complied.
Marland Mill No. 4,	Extend fire escape,	Complied.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Amesbury.		
Hotel Attitash,	Portable fire-escapes in certain rooms; means for extinguishing fire.	Complied.
Bartlett's Block,	Fire escape,	Complied.
Hume Carriage Factory,	Fire-escape,	Complied.
Beverly.		
Norwood Hall,	Fire escape,	Complied.
Danvers.		
W. H. Burns' Factory,	Repairs; extend fire-escape,	Complied.
Pilsbury's Hall,	Additional egress,	Discontinued for public purposes.
Town Hall,	Protect wood work over boiler, and repair smoke flue.	Complied.
Porter's Block,	Fire-escape,	Complied.
Old Jacobs Morocco Factory,	Remove or make safe,	Removed.
C. T. A. Building,	Repair fire-escape,	Complied.
Carroll Block,	Fire-escape,	Complied.
Gloucester.		
Burnham's Block,	Repair and improve fire-escape,	Complied.
Webster's Block,	Swing outside door out,	Complied.
Odd Fellows' Building,	Fire-escape,	Complied.
Mallard House,	Portable fire-escapes.	-
Pews Block,	Fire-escape,	Complied.
Greer Block,	Portable fire-escapes,	Complied.
Gloucester Fishermen's Institute,	Fire-escape,	Complied.
Delphine House,	Fire-escape,	Complied.
Harbor View House,	Portable fire-escapes in certain rooms,	Complied.
Mechanics Hall,	Additional egress,	Complied.
Cape Ann Shoe Factory,	Rail stairs,	Complied.
The Pavillion Hotel,	Red lights, notices, alarm gongs; means for extinguishing fire.	Complied.
Ocean Side Hotel,	An extra alarm gong,	Complied.
Hesperus House,	Portable fire escapes in certain rooms; notices in rooms.	Complied.
The Swift House,	Portable fire-escapes,	Complied.
Bass Rock House,	Put alarm gong in order; means for extinguishing fire.	Complied.
Grand View House,	Means for extinguishing fire,	Complied.
Haverhill.		
Britton Hall,	Fire-escape,	Complied.
Mansur Block,	Repair fire-escape,	Complied.
Eagle House,	Fire-escape; portable fire-escape; red lights, notices and gongs; means for extinguishing fire.	Complied.
Etna House,	Means for extinguishing fire,	Complied.
Ipswich.		
Lord's Block,	Fire-escape,	Complied.
O. U. A. M. Hall,	Provide suitable sanitarries,	Complied.
Lynn.		
Kelley Building,	Fire-escape,	Complied.
Cadet Hall,	Fire-escape,	Complied.
Templars Hall,	Fire-escape,	Complied.
Emmet Hall,	Fire escape,	Complied.
Bodwell's Hall,	Swing outside door out,	Complied.
Kean Factory, 59 to 65 Willard Street.	Extend fire-escape,	Complied.
Kean Factory, 47 to 53 Willard Street.	Extend fire-escape,	Complied.
Kean Factory, 39 Willard Street,	Fire-escape,	Complied.
Old Cigar Factory, Wyman Street,	Additional egress,	Complied.
Commercial House,	Additional egress; portable fire-escapes.	-
Welch's Tenement House,	Fire-escape.	-
The Seymoure,	Watchman; portable fire-escapes,	Complied.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Lynn — Con.		
Bay View House,	Portable fire-escapes,	Complied.
The Berwick House,	Protect woodwork over smoke-pipe and boiler.	Complied.
Brown Building,	Fire-escape,	Complied.
Farragut Hall,	Fire-escape,	Complied.
Allen's Box Factory,	Fire-escape,	Complied.
S. N. Breed Factory,	Fire-escape,	Complied.
Harney Bros.' Factory,	Fire-escape,	Complied.
Connolly Lodging-house,	Red lights, notices and fire-alarm gongs.	Complied.
Y. M. C. A. Building,	Fire-escape,	Complied.
S. N. Breed Factory,	Rail stairs,	Complied.
Bessom's Block,	Fire-escapes,	Complied.
Woodward Lodging-house,	Red lights, notices and fire-alarm gongs.	Complied.
Foster's Block,	Additional egress.	-
Willard House,	Fire-escape,	Complied.
Massey Building,	Additional egress,	Vacated.
Mansion House,	Post notices.	-
Lawrence.		
Second Baptist Church,	Additional egress,	Complied.
Appleton Block,	Fire-escape,	Complied.
Syms Block,	Fire escape,	Complied.
Boardman Block,	Fire-escape,	Complied.
Bacon Block,	Additional egress.	-
Marblehead.		
Harris Factory,	Fire-escape,	Complied.
Odd Fellows' Hall,	Fire-escape,	Complied.
Manchester.		
Masconomo House,	Portable fire-escape in room in attic; fire-escape.	-
Merrimac.		
Clarey Block,	Fire-escape,	Complied.
G. A. R. Hall,	Additional egress,	Complied.
Town Hall,	Remove combustible material from cellar; protect woodwork around furnace pipe.	Complied.
Rockport.		
Pigeon Cove House,	Repair fire-alarm; post notices in rooms.	Complied.
Reading.		
Union Primary School,	Remove combustible material from cellar.	Complied.
Richardson Shoe Factory,	Fire-escape,	Complied.
Salem.		
Kinsman Block,	Extend fire-escape,	Complied.
Cates' Block,	Extend fire-escape,	Complied.
The Winnegan Hotel, Annex B,	Portable fire-escapes,	Complied.
Swampscott.		
Ocean House,	Portable fire-escapes; post notices in certain rooms.	Complied.
The Elms,	Portable fire-escapes,	Complied.
Wakefield.		
Connell's Block,	Fire-escape,	Complied.
High School,	Protect smoke pipe to furnace,	Complied.
Hamilton School,	Remove combustible material from under the stairs.	Complied.

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Stoneham.		
E. L. Patch Laboratory, . . .	Fire-escape,	Complied.
A. E. Mann Factory, . . .	Fire-escape,	Complied.
T. J. Sullivan Factory, . . .	Fire-escape,	Complied.
Charles Emerson Factory, . . .	Fire-escape,	Complied.
T. H. Jones Factory, . . .	Fire-escape,	Complied.
Dare Block,	Fire-escape,	Complied.
Hamilton Hay Factory, . . .	Extend fire-escape,	Complied.
Woburn.		
Watague Tanning Company Factory,	Additional egress,	Complied.

REPORT OF INSPECTOR MERRIAM.

SIR: — I have the honor to submit the following report of work performed by me during the past year, tabulated so far as practicable. In some cases inspections are reported for record where the issuing of notices, for various reasons, was postponed; and for the granting of certificates.

The number of plans received for new buildings has been fully as large as usual, and in most cases they are submitted in preliminary form, so that when complete they may conform to the requirements of the law. In all cases my recommendations have been pleasantly received.

The laws relating to hotels are generally observed, though the proprietors complain of ropes and notices being removed by boarders without speaking to them, and in many cases they are carried away. The responsibility of inspecting and reporting of local officers should be better defined.

The work connected with the ventilation of public and school buildings is to a certain extent advisory, and much time is thus taken; also in the testing of finished work, which cannot be given in detail; but I am pleased to note the general progress of improvements, and the better feeling shown by committees and the public from year to year.

In many cases our inspections and notices are the cause of replacing the old with new and modern buildings. In the town of Agawam the committee appealed from my notice to the local board of health. I attended the hearing, accompanied by inspectors Buxton and Knight. The committee and board both admitted the necessity of better ventilation, but the building was too small, poor in construction and generally out of repair, and they would prefer recommending a building more suitable to their wants, the coming year, than to lay out much on the present one. I appreci-

ated their desire. The board reserved their decision, and there the matter rests, so far as I have learned.

The changes in present buildings are of a better class generally than in previous years, though the times have been such that many have been laid over, so the number is less than usual; and in some cases the changes are delayed, as additions are contemplated the coming year.

The number of new school buildings throughout the district is larger than usual, and in all cases the committees have devoted much time in investigating different methods of heating and ventilating, and have adopted what they consider the very best for their locations and circumstances.

Report of Buildings Inspected.

CLASS No. 1, DISTRICT No. 10. FREDERICK W. MERRIAM, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Adams.		
Commercial Street School, . . .	Better ventilation.	-
Liberty Street School, . . .	Better ventilation.	-
Ashfield.		
Sanderson Academy, . . .	None.	-
Agawam.		
Mittineague School, . . .	Better ventilation, . . .	Appealed.
Amherst.		
High School, . . .	Better sanitary condition, . . .	Complied.
Becket.		
Village School, . . .	None.	-
Colrain.		
Toungry School, . . .	None.	-
Griswoldville School, . . .	None.	-
Willis Place Mill, . . .	None.	-
Griswoldville Mill, . . .	None.	-
Chicopee.		
Willimansett School, . . .	Better ventilation.	-
School Street School, . . .	Better ventilation.	-
Dalton.		
Old Berkshire Mills, . . .	Better egress, . . .	Complied.
Craneville School, . . .	Better sanitary appliances, . . .	Complied.
Weston Mills, . . .	None.	-
Deerfield.		
Pocumtut House, . . .	Rope fire-escapes, . . .	Complied.
Old Deerfield School, . . .	None.	-
Egremont.		
South Egremont School, . . .	Better ventilation.	-
Erving.		
Centre School, . . .	Better ventilation, . . .	Complied.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Easthampton.		
Centre Union School, . . .	Better ventilation.	-
Chapel Street No. 1 School, . . .	Better ventilation.	-
Greenfield.		
High School,	Better ventilation,	Complied.
Warner House,	Rope fire-escapes,	Complied.
Hinsdale.		
Church Street School,	Better ventilation.	-
Hampden.		
Centre School No. 1,	None.	-
Holyoke.		
Nonotuck Street School,	Better ventilation.	-
Park Street School,	Better ventilation,	Complied.
Lee.		
Morgan House,	Rope fire-escapes,	Complied.
Norton House,	Rope fire-escapes,	Complied.
Longmeadow.		
District No. 1 School,	None.	-
Montague.		
Centre Street School,	Better ventilation.	-
South End School,	Better ventilation.	-
North Adams.		
Hoonac Savings Bank Block,	Fire-escapes,	Complied.
Union Street School,	Better ventilation.	-
Veasie Street School,	Better ventilation.	-
Bijou Theatre,	Fire-resisting curtain,	Complied.
Columbia Opera House,	Fire-resisting curtain,	Complied.
The Wilson,	Rope fire-escapes; notices,	Complied.
Richmond House,	Notices in rooms,	Complied.
Mansion House,	None.	-
Hotel Brunswick,	Rope fire-escapes,	Complied.
Hotel Windsor,	Rope fire-escapes,	Complied.
Church Street School,	Changes in ventilation,	Complied.
Canedy's Shoe Shop,	None.	-
Eclipse Mill,	None.	-
Tower & Porter Block,	None.	-
Northampton.		
Leeds Primary School,	Better ventilation.	-
Bay State School,	Better ventilation.	-
Orange.		
Whitney Street School,	Better ventilation.	-
Myrtle Street School,	Better ventilation.	-
Mann's Block,	None.	-
Pittsfield.		
West Block,	None.	-
Palmer.		
Palmer Village School,	None.	-
Thorndike School,	Better ventilation.	-
Thorndike Upper School,	None.	-
Sheffield.		
Berkshire Hills House,	Rope fire-escapes,	Complied.
Ashley Falls School,	None.	-
Savoy.		
Savoy Hollow School,	None.	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Shelburne.		
Foster's Peg Mill,	None.	-
South Hadley.		
South Hadley High School, . .	Better ventilation,	Complied.
Williamstown.		
High School,	Better ventilation,	Complied.
Windsor.		
Windsor Bush School,	None.	-
Warwick.		
Village School,	None.	-
West Springfield.		
Main Street School,	Changes made in ventilation.	-
Ware.		
West Street School,	Better ventilation.	-
South Street School,	Better ventilation.	-

*Plans Received and Changes Recommended.*DISTRICT NO. 10. FREDERICK W. MERRIAM, *Inspector.*

BUILDING.	Location.	Changes Recommended.
M. E. Church,	Adams,	None.
Irving House,	Dalton,	Better egress.
M. E. Church,	Dalton,	Fire-stops.
Unitarian Church,	Greenfield,	None.
High School,	Greenfield,	None.
Primary School,	Greenfield,	None.
High School,	Lee,	Ventilation.
East School,	Lee,	None.
Brown's Sanitarium,	North Adams,	Fire-stops.
Jewish Synagogue,	North Adams,	Better egress.
Main Street School,	Orange,	None.
St. Charles Church,	Pittsfield,	None.
Stanley Electric Company's Mill, . .	Pittsfield,	None.
West Block,	Pittsfield,	Better egress.
City Farm Building,	Pittsfield,	Fire-stops.
Station School,	Williamstown,	Ventilation.
Town Hall,	Warwick,	None.

Certificates Issued.

PUBLIC BUILDINGS, FACTORIES, WORKSHOPS AND TENEMENT-HOUSES.	Story.	Location.	Date of Certificate.	INSPECTOR.
			1894.	
Lyceum Theatre, Auditorium, . . .	-	Lynn, . . .	Jan. 9,	Ansel J. Cheney.
Lyceum Theatre, Gallery, . . .	-	Lynn, . . .	9,	"
Elmwood Opera House, Auditorium, . . .	-	South Fram- ingham.	Feb. 9,	Joseph A. Moore.
Elmwood Opera House, Gallery, . . .	-	South Fram- ingham.	9,	"
Hall in Haskins Block, . . .	2	Rockport, . . .	9,	Ansel J. Cheney.
Hall in Haskins Block, . . .	3	Rockport, . . .	9,	"
Hall in Market House Building, . . .	3	Lynn, . . .	9,	"
Hall in Market House Building, . . .	4	Lynn, . . .	9,	"
Music Hall Theatre, Auditorium, . . .	-	Lynn, . . .	9,	"
Music Hall Theatre, Gallery, . . .	-	Lynn, . . .	9,	"
Telephone Exchange, Northey Build- ing.	3	Salem, . . .	9,	"
Hall in First National Bank Build- ing.	2	Hyannis, . . .	13,	Henry A. Dexter.
Sanford Company's Spinning Mill, . . .	1	Fall River, . . .	13,	"
Sanford Company's Spinning Mill, . . .	2	Fall River, . . .	13,	"
Sanford Company's Spinning Mill, . . .	3	Fall River, . . .	13,	"
Tenement House, 127 Columbia Street.	2	Fall River, . . .	13,	"
Tenement House, 127 Columbia Street.	3	Fall River, . . .	13,	"
Emerson Building,	2	South Fram- ingham.	14,	Joseph A. Moore.
Emerson Building,	3	South Fram- ingham.	14,	"
Union Chapel,	-	Quincy, . . .	July 25,	"
East District School,	1	East Milton, . . .	Oct. 3,	"
East District School,	2	East Milton, . . .	3,	"
Forrester Hall,	-	Worcester, . . .	3,	Joseph M. Dyson.
Whitney's Opera House, Dress Cir- cle and Balcony.	-	Fitchburg, . . .	5,	"
Whitney's Opera House, Parquet and Parquet Circle.	-	Fitchburg, . . .	5,	"
Whitney's Opera House, Orchestra,	-	Fitchburg, . . .	5,	"
Brown Building,	1	Lynn, . . .	24,	Ansel J. Cheney.
Brown Building,	2	Lynn, . . .	24,	"
Brown Building,	3	Lynn, . . .	24,	"
Brown Building,	4	Lynn, . . .	24,	"
Brown Building,	5	Lynn, . . .	24,	"
Brown Building,	6	Lynn, . . .	24,	"
Willis Plane Mill,	2	Colrain, . . .	Nov. 5,	F. W. Merriam.
Willis Plane Mill,	3	Colrain, . . .	5,	"
Griswoldville Mill,	2	Colrain, . . .	5,	"
Griswoldville Mill,	3	Colrain, . . .	5,	"

Certificates Issued — Concluded.

PUBLIC BUILDINGS, FACTORIES, WORKSHOPS AND TENE- MENT-HOUSES.	Story.	Location.	Date of Certificate.	INSPECTOR.
			1894.	
Jones Block,	3	North Adams,	Nov. 5,	F. W. Merriam.
Jones Block,	4	North Adams,	5,	"
Tower & Porter Block,	3	North Adams,	5,	"
Tower & Porter Block,	4	North Adams,	5,	"
Johnson Mill,	3	North Adams,	5,	"
Johnson Mill,	4	North Adams,	5,	"
Reardon Block,	3	North Adams,	5,	"
Eclipse Mill,	3	North Adams,	5,	"
Berkshire Life Insurance Company,	3	Pittsfield, .	5,	"
Berkshire Life Insurance Company,	4	Pittsfield, .	5,	"

REPORT OF THOMAS HAWLEY, INSPECTOR OF UNINSURED STEAM- BOILERS.

SIR:—The reports that have been made to you from time to time have included statements of the condition of boilers inspected and of the defects found, and when these defects were considered dangerous. The summary of these reports show that in 405 boilers there were observed 842 defects, of which 169 were dangerous defects, and if unattended to might lead to loss or injury to life. What in my opinion constituted a defect, and when that defect became dangerous, was defined at length in my report of last year, and it would therefore not seem necessary to repeat. Many of the defects noted were slight at the time, but with continued neglect would become dangerous; and how rapidly this would take place will depend upon the knowledge of the engineer and the care given to his plant.

The number of boilers without sufficient inspection was found to be 88. My experience of the past year but more strongly confirms the opinion expressed in my last report as the result of previous inspections, that uninsured steam-boilers are, as a general rule, not sufficiently inspected, nor are they properly cared for. It is not an uncommon experience to find no one about a steam plant who can tell anything whatever about the condition of the boiler, or with any knowledge of when the boiler had been inspected. It frequently happens that boilers are reported as having been inspected, but upon investigation it appears that this inspection, so called, was merely the opening of the boiler to see if there

was any dirt in it. In very many instances the inspection was reported made by some machinist or boiler maker in the town, and consisted simply in looking for leaks, and did not take into account the pressure at which the boiler was to run, its age and how much it had deteriorated; so long as leaks did not appear, the owner was satisfied to have it continue in service. Leaks were made the standard of inspection, and the absence of a leak was held to signify that the boiler was safe.

Boilers insured in boiler insurance companies are provided with regular inspection; but the majority of those not so insured are without proper inspection, and whether they are safe or not is a matter about which their owners have very little knowledge. This, it seems to me, is pretty clearly shown by the defects found in the boilers inspected, some of which have since been repaired at my suggestion, but many boilers are still in use, and no apparent attention given to making them safer.

As the law now stands, the inspector has the power to inspect a boiler by looking at it from the outside. Such an inspection is wholly inadequate and unsatisfactory, and will only show defects connected with the setting or attachment and condition of fittings, or such as may be observed from looking under a boiler with a red-hot fire on the grates. Boilers as neglected as uninsured boilers are found to be will show many defects from an external inspection such as this; but the most vital part of the boiler inspection is lost, and that is, an inspection of the shell, tubes and braces of the boiler inside. I feel very positive that many boilers which I have inspected externally, without finding any dangerous defects, if an inspection of the shells could have been had, would have shown serious wasting of strength that may make them positively dangerous.

Quite a number of these boilers I have endeavored to obtain an inspection of internally, but the owners were not disposed to allow such an inspection to take place, and there was no way to compel them to permit it, as the boilers must be empty and fires drawn. Where the case seemed to indicate an unusual degree of neglect, a written notice was sent to the owner of the boiler, calling attention to such defects as were found, and stating that the safety of the public required the inspection internally of this boiler, to definitely ascertain its condition, and asking for an opportunity. In a few instances this was accorded, and as a result five boilers were decided unfit for use, dangerous weakness being discovered, and such facts were reported to the owners. In two cases the owners removed the boilers, but in the other three no attention was paid to the matter, and the boilers continue to run, a menace

to life and property. Two of these boilers were in a hotel, and one of them was reported as forty-four years old. In the majority of cases, however, the owners paid no attention to the request for a more thorough inspection, and as there is no way of forcing it, these boilers are also running, with no knowledge on the part of their owners as to their condition, whether they are safe or not, and apparently there is no disposition to find out. In other cases the owners signified their willingness to have an inspection made without a formal request, or the boilers were found empty during the dull season. Some of these boilers were found in a very dangerous condition at the pressure they were being run, and the owners agreed to cutting down the pressure to a safe limit, and in a number of cases the boilers were not again used.

All that an external inspection will show is the general care of the boiler outside. This may be excellent, yet the boiler be eaten away to a dangerous extent, and the inspector, judging alone from the external evidences, may not be suspicious of the boiler any more than the fireman is; and his visit gives a sort of moral indorsement of the safety of the boiler, whereas the inspection has really been of no value whatever, if the defects were upon the inside, or in those portions of the boiler not accessible when the boiler is in operation. Such an inspection is not satisfactory to the inspector, it is likely to be misleading to the owner of the boiler, or it may be used by an unscrupulous owner to allay any suspicion of the boiler by stating that it has been inspected by a State inspector. The only good that can come from so limited and imperfect an inspection is when the owner is then found willing to permit an internal inspection; but it is the latter that makes the inspection of value, though such law as now exists has done good in leading up to this internal inspection. What is clearly needed is the enactment of a law giving the inspector the power to order an internal inspection of any boiler when in his opinion such inspection is necessary, either to find further defects in a boiler already found defective externally, or to establish the condition of any boiler that may be suspected.

As it is becoming more generally known that some provision for the inspection of boilers is included in the work of this department, a number of requests for inspection of certain boilers have been received. Many of these have been from school authorities for the inspection of school boilers under their charge. These inspections have been made, and in every case defects have been found in the boilers, many of them of such a character that the boilers must soon become dangerous, and others were found already dangerous.

It is a fact that school-house boilers do not receive the attention they should receive, and very seldom are they inspected. The majority of janitors are totally ignorant of boiler inspection, or where to look for deterioration; and many of them know nothing concerning the safe management of a boiler, beyond keeping the fire going and the building warm, and many of them seem to have considerable difficulty in doing that. The general neglect of school-house boilers is due to the prevailing opinion that low-pressure boilers are not dangerous. School-house boilers are generally arranged to run if necessary as high as fifteen pounds pressure, frequently twenty-five pounds pressure; and these are by no means very low pressures, and the failure of a boiler with such pressures within could cause an immense amount of damage. But in many school-house boilers I have found the safety valve stuck, totally inoperative, and others weighted to over sixty pounds pressure, and this in schools where the janitor was not in regular attendance. These are by no means low-pressure boilers, under such circumstances. Suppose a janitor should leave his boiler under steam and presumably with the fire in good condition, and a demand for steam sufficient to keep down the pressure. If the day turns out to be warmer than he expected, the demand for steam falls off, and the pressure increases rapidly in the boiler. If the safety valve is operative and set at a low pressure, the increase to a dangerous point is checked; but if inoperative, any pressure can be reached in the boiler in a very short space of time, and if the safety valve is overweighted the pressure can rise to a high point. The boiler then becomes a highly dangerous one from this fact, and exceptionally so because without attention or any suspicion of danger existing on the part of either the absent janitor or the teachers and children overhead. Such conditions do exist in many of our school-houses and public buildings, and the danger is materially increased by the failure of those in charge to realize that a danger exists.

The heating boilers are subject to very rapid deterioration from improper methods of laying them up during the summer months, or of ignorant care during that time, or rather ignorant lack of care. Under certain conditions, and they are very common in many school-houses, the boilers may weaken very rapidly and need just as much attention as a mercantile boiler. Some of the boilers in school-houses have never been inspected since they were put in, twelve or more years ago, and in some of them the hand-hole covers had never been removed in that time, and were so firmly corroded that the bolts had to be twisted or cut off in order to obtain a view of the bottom of the shell inside.

In one case the janitor in charge of a large high school took so

little interest in the boiler entrusted to his charge that he laid upon a sofa in another part of the building during the inspection, and offered no assistance in getting at the boiler or in cleaning it ready for inspection, nor evinced any desire to know anything about its condition. The interest he takes in his boiler in his daily work was clearly shown by its filthy condition, as revealed by the inspection. The ashes lay where the last fire had left them; the boiler shell was covered with soot wet with moisture; the back connection was so filled with soot as to reach to the bottom of the boiler shell, and the tubes were partially filled with soot; the dry sheet was covered with soot which had caked from the leakage from a carelessly packed hand-hole cover, and this was found also to have caused serious corrosion in this part of the boiler. With such care it is not unreasonable to suppose that during the operation of the boiler it had frequently reached a dangerous pressure, and ought either to have had skilled or conscientious attention, or careful and frequent inspection.

Public buildings and hotels are subject to the same neglect, particularly hotels, and some legislation should be provided that should include the regular inspection of all steam boilers in schools and public buildings, whether they contain so-called "low-pressure" boilers or not.

The law now provides that all boilers shall be fitted with a fusible plug in some portion of the boiler exposed to the direct action of the fire. The purpose of this is, that, in the event of the water getting so low as to endanger the boiler from overheating, the fusible metal in this plug will melt and give warning of the low water. Very many violations of this law have been found, and in every case an order to comply with the law and provide such a plug has been issued. Many of these defects were in school-houses. Low water is very common in school-house boilers, and dangerous overheating is prevented by the use of these plugs. As the law provides a penalty for violation, no trouble has been found in enforcing this law.

It has frequently been the case that the owner of a boiler has been notified of other dangerous defects in his boiler at the same time, and has complied with the portion that provided for a penalty, inserting the plug as required by law, but paying no attention to the recommendations to make the boiler safer, and there were no means of forcing him to do so, and he evidently would not do so except under compulsion.

During the year I have been called upon to inspect the steamers upon the Merrimack River between Lowell and Lawrence. Not being navigable for sea-going vessels or interstate commerce,

these steamers have not been under United States supervision, and have been without inspection. A request to inspect these boilers was received from the mayor of Lawrence, and the result of the inspection showed all the boilers being run at a high pressure, defects appearing in the older boilers, and one running at an excessively high pressure, and considerably weakened by deterioration. It seems to me that some provision should be made to secure the inspection of all steam boilers upon steamers carrying passengers upon waters not under the jurisdiction of the United States. The general government requires a strict inspection of all boilers in steamers upon waters under its jurisdiction, and the licensing of those in charge. The accident to a boiler upon one of these small craft would inevitably result in loss of life. The need for inspection I believe to be without question, and certainly if it is important upon the seaboard, it is upon similar steamers inland. The need is even greater, for these boats are often without such skilled attention as is to be found more generally upon harbor craft.

The matter of second-hand boilers deserves again to be brought to your notice. A number of these boilers have been inspected, some after being set and some before, the latter being inspected externally and internally. All of them were found to have defects, and five were deemed unfit for further use, — their use would have been a positive danger. Upon stating the fact to the owners, in writing, that the boilers were unsafe, they were not set. Whether or not that will end the matter is uncertain. The owners will sell the boilers, probably for old junk, and that purchaser may have less regard for safety, and sell the boilers and have them set again by some party who is not aware of their true condition, and will use them without inspection. There are men who make a regular business, filling in the bad places with red-lead and painting them over or otherwise making them appear good, and selling them to unsuspecting purchasers, who may ultimately find out their true condition without accident, or may go on using them without inspection, trusting to the statement of the seller that they are perfectly safe. Every boiler maker and machinery dealer understands the extent of this evil, and it certainly seems as if some legislation concerning it is necessary. Probably it could be covered in a general inspection law. No boiler-inspection company will insure a boiler without satisfying themselves as to its condition, and if found defective would refuse to insure it. The man who has bought it, however, would not feel inclined to throw it out. Possibly he feels that he cannot afford to do so, and will continue to use it, and after awhile, if the boiler does not explode or rupture seriously, begins to forget the danger. After

these boilers are in use a general inspection law would look after them; but the better way would be to control the boiler before it is set, by providing some supervision of second-hand boilers. This would not interfere in any way with the selling of second-hand boilers in good condition, as the inspection of them while being set would be no inconvenience to the owner, and would provide a much needed safeguard. If the public could see and understand the condition of some of the second-hand boilers being set, it would demand some legislation for its protection from reckless and avaricious dealers, who care nothing for the public safety.

The increasing number of failures of large engine fly-wheels calls attention to some facts brought out in examining engineers. A very large number of engines are provided with no device whatever for controlling the speed of the engine in the event of the governor belt breaking or anything happening to the governor. When an engine is suddenly relieved of its load, as may happen in electric work from various causes, or by breaking of the main belt, the tendency of the engine is to increase its speed, and if not immediately controlled by the governor, the speed will quickly increase to such an extent that the fly-wheel will burst from centrifugal force, hurling immense pieces of iron in all directions in line with the wheel. Such may occur by a failure of the governor to work, allowing the engine to take a full head of steam, with the same result. To prevent dangerous racing, engines may be provided with devices that will stop the engine in case the governor should fail, or the governor may be set to prevent the admission of steam when the engine is running at a high speed. The cost of these arrangements is very little in the case of the automatic stop, and many engines now built are fitted with them. In many places I find the engineer is totally ignorant of the purpose of the device, and in other places he does not use the safety device provided. Some of the largest mills are being run with the governor in such condition that the failure of the governor balls to revolve would inevitably be followed by the explosion of the wheel. The engineers in many of these places understood the office of the governor and the purpose of the safety device provided upon it, yet did not take the few seconds necessary at starting to put it in operation. In several places the governor was found with its safety attachment inoperative, and the engineer asked to put it in the position where it would be operative if called upon to perform its office. This was done without hesitation, but immediately after it would be undone, and the device thrown back or the pin inserted again, which would make the governor no governor at all in case of emergency. Neglect of this kind has been responsible for many fatal

accidents from exploding fly-wheels in this and other States, and it is neglect that is nothing short of criminal. Safety valves are required upon boilers, and they should always be kept in perfect condition and unobstructed. There is just as much need for providing a safety device upon engine governors, and some way of ascertaining whether the engineer understands concerning them, and that when put upon an engine they shall be always ready for use.

REPORT OF INSPECTOR MURRAY.

DEAR SIR:—I have the honor to submit herewith a tabulated report of the work performed by me during the past year.

The law regulating the hours of labor for women and minors is generally complied with in the district assigned me. A few complaints of violation of the fifty-eight-hour law have been reported, and in each case the employer informed me that his superintendent worked the employees without his knowledge or consent, and when informed of the violation cheerfully complied.

The employment of children under fourteen years of age in the factories of this district shows a marked decrease. I find where there were fifty-two minors employed under the school age last year there are but three such minors employed this year.

In regard to the enforcement of the law relating to the sanitation and ventilation in factories and workshops much progress has been made, and good results accomplished in every instance where orders have been given.

The law requiring all manufacturers to send to the chief of the district police a written notice of any accident to an employee, whenever the accident results in death or causes injury of such a nature as to prevent the person from returning to work within four days after the accident, has been well complied with, and in nearly all cases where accidents do occur they can be attributed to the results of improper care on the part of the employee.

The law relating to the guarding of belting, gearing, shafting, etc., is one that requires constant vigilance on the part of an inspector, especially in the smaller factories. I have given special attention to gearing and set screws, and in all cases where notices have been given for better protection against accident they have been cheerfully complied with.

Careful attention has been given to the inspection of elevators in this district. Most of them I found in good condition, and where any parts were found defective, orders were given to remedy the same, and in every instance such notices have been promptly complied with.

Chapter 534, Acts of 1894, is an act requiring specifications to be furnished to persons employed in cotton factories. Having a number of cotton factories in my district, I visited each one in regard to the enforcement of the provisions of this act, and found a willingness on the part of the agents of the corporations to comply with the law.

Section 16, chapter 508, Acts of 1894, an act in relation to the employment of children under sixteen years of age, is observed in a very satisfactory manner in my district. When such children were found without the proper schooling certificate, the employers being notified, the certificates were procured and placed on file.

The law relating to the employment of minors fourteen years of age or over who cannot read and write in the English language is strictly complied with in cities and towns in the district where evening schools are maintained.

Agreeably to your instructions, I have investigated two complaints in regard to violations of section 9 of chapter 508, Acts of 1894, regulating the hours of labor for all conductors, drivers and motormen of any street railway company, which provides that a day's work shall not exceed ten hours, the work to be performed within twelve consecutive hours. The general managers, being informed of the violation of the law, promised that the matter would be attended to at once, and the law fully complied with.

I wish to say, in conclusion, that courteous treatment has been accorded me, as heretofore, by those with whom my duty has brought me in contact.

DISTRICT No. 1, JAMES C. MURRAY, Inspector.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
ACTON.								
J. A. Bowen,	Shoddy and wool extracts.	14	12	—	Fair,	None,	.	—
A. Merriam & Co.,	Piano stools,	15	1	—	Good,	Guard set screws,	.	Complied.
Hall Bros.,	Tubs and pails,	30	—	—	Fair,	Guard set screws,	.	
J. D. Coburn,	Clothing,	2	11	—	Good,	None,	.	—
Bay State Cigar Co.,	Cigars,	7	33	—	Good,	None,	.	—
BILLERICA.								
Hill & Proctor,	Machinery,	14	—	—	Fair,	None,	.	Complied.
F. J. Jaquith,	Glue,	9	—	—	Fair,	Guard set screws,	.	
BEDFORD.								
Bedford Lumber & Manufacturing Co.	House finish,	70	—	—	Fair,	Guard saws,	.	Complied.
C. H. Clark & Co.,	Lumber and boxes,	7	—	—	Fair,	Guard set screws, saws and belts,	.	Complied.
CONCORD.								
Damondale Mills,	Cottons and flannels.	41	15	—	Fair,	Procure certificate; guard set screws,	.	—*
R. Warner & Co.,	Tubs and pails,	19	1	—	Fair,	Post time table,	.	Complied.
Bluine Manufacturing Co.,	Bluine,	7	3	—	Fair,	None,	.	—
Boston Harness Co.,	Harnesses,	64	6	—	Fair,	Post time tables,	.	Complied.

CHELMSFORD.		75	71	—	6	Fair, .	Guard fly-wheel and crank of engine, also belts to extractors.	Complied.
George C. Moore, . . .								
CAMBRIDGE.								
Charles Place, . . .		28	169	—	14	Fair, .	Post time tables; guard belt, .	Complied.
The New York Biscuit Co., .		260	200	—	2	Fair, .	Guard set screws, .	Complied.
American Rubber Co., .		642	917	—	7	Good, .	None, .	—
Lewis R. Speare Laundering Co.,		16	56	—	1	Fair, .	Procure certificate; guard set screws.	Complied.
Boston Woven Hose and Rubber Co.		150	50	—	1	Fair, .	Guard fly-wheel and belt of Buckeye engine, also set screws.	Complied.
Ivers & Pond Piano Co., .		83	2	—	—	Good, .	Guard set screws and elevator well in case room to No. 2 elevator.	Complied.
J. S. Bell & Co., . . .		8	28	—	1	Fair, .	None, .	—
B. P. Clark & Co., . . .		12	11	—	1	Fair, .	Procure certificate; guard set screws.	— *
Morse & Whyte Wire Works, .		44	6	—	1	Fair, .	Procure certificate; guard set screws.	Complied.
H. F. Sparrow, . . .		35	40	—	3	Fair, .	Certificates for three minors; guard set screws.	— *
George Close, . . .		39	65	—	1	Fair, .	Guard set screws, .	Complied.
George Close, annex, . . .		7	10	—	—	Fair, .	None, .	— *
The Hayward Confectionery Co.,		14	9	—	—	Fair, .	Post time tables; guard set screws,	— *
Ralph H. Leach, . . .		3	3	—	—	Fair, .	None, .	—
D. M. Hazen & Sons, . . .		20	45	—	—	Fair, .	Guard set screws, .	Complied.
Mason & Hamlin Organ & Piano Co.		198	3	—	1	Good, .	Post time tables; guard set screws,	— *
A. H. Davenport, . . .		150	—	—	—	Good, .	Guard set screws, .	Complied.

* Partly complied.

DISTRICT NO. 1—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CAMBRIDGE—Continued.								
Piano Action Co., . . .	Piano actions, . . .	34	6	—	—	Fair, . . .	Guard set screws, . . .	Complied.
Ira G Hersey, . . .	Building finish, . . .	59	1	—	—	Fair, . . .	Guard set screws; clean water-closet, . . .	Complied.
F. L Whitcomb, . . .	Building finish, . . .	30	—	—	—	Fair, . . .	None, . . .	—
S. Tower, . . .	Piano and organ keys, . . .	125	25	—	2	Fair, . . .	Guard engine crank, fly-wheel belt, saws and set screws.	—
Irving & Casson, . . .	Furniture, . . .	131	—	—	1	Fair, . . .	Procure certificate; guard set screws, . . .	Complied.
Keeler & Co., . . .	Furniture, . . .	38	—	—	—	Fair, . . .	Guard set screws; keep door un-locked.	—
A. B. & E. L. Shan, . . .	Furniture, . . .	65	1	—	—	Good, . . .	Guard set screws, . . .	Complied.
A. Anderson, . . .	Boxes, . . .	33	1	—	—	Fair, . . .	Guard set screws, . . .	Complied.
James H. Roberts & Co., . . .	Machinery, . . .	9	—	—	—	Fair, . . .	Guard fly-wheel, belt and set screws, . . .	—
Henry Thayer & Co., . . .	Chemicals, . . .	33	46	—	4	Good, . . .	Certificates for two minors; guard set screws.	—
Broadway Iron Foundry, . . .	Iron castings, . . .	37	—	—	—	Fair, . . .	Guard fly-wheel and set screws, . . .	Complied.
J. P. Squire & Co., . . .	Pork products, . . .	894	6	—	—	Poor, . . .	Post time tables; guard set screws, cranks, fly-wheel and belts; keep room clean; safety device for one elevator.	Complied.
Henderson Bros., . . .	Carriages, . . .	40	—	—	—	Fair, . . .	Post time table; guard hoistway; rail to stairway; provide privy.	Complied.
Laminar Fibre Goods Co., . . .	Fibre goods, . . .	20	—	—	—	Good, . . .	Guard set screws and elevator land- ing.	Complied.

Burmam Bros.,	Sausages,	3	-	-	Fair,	None,	-
Boston Piano Hammer Co.,	Piano hammers,	7	-	-	Good,	None,	-
George R. Oliver,	Piano cases,	35	-	-	Good,	Guard set screws; safety device for two elevators.	Complied.
The New England Spring Bed Co.,	Spring beds,	11	2	1	Poor,	Procure certificate; post time tables; guard set screws; provide water-closet for females and designate; clean factory.	Complied.
Harvard Piano Co.,	Pianos,	35	-	-	Good,	Post time table; guard set screws,	Complied.
C. A. Cook & Co.,	Piano stools,	5	-	-	Fair,	Guard set screws,	Complied.
Standard Piano Action Co.,	Piano action,	23	11	2	Good,	Procure certificate; guard set screws,	Complied.
Sewell, Adams & Co.,	House finish,	28	-	-	Fair,	Guard saws and set screws,	Complied.
E. A. Muller,	Leather,	40	-	-	Fair,	Guard fly-wheel, belt and set screws,	Complied.
H. M. Sawyer & Son,	Oiled clothing,	33	55	-	Good,	None,	-
William L. Lockhart & Co.,	Caskets and cof-fins.	90	11	-	Fair,	Guard saws and set screws; keep underneath stairs clear.	Complied.
W. C. H. Badger & Co.,	Furniture,	60	-	-	Good,	Guard set screws,	Complied.
Lamb & Ritchie,	Sheet metal pipe,	42	2	-	Fair,	Post time tables; guard set screws,	Complied.
Cambridgeport Diary Co.,	Diaries,	33	43	-	Good,	Guard set screws,	Complied.
The Dover Stamping Co.,	Tinware,	116	14	-	Fair,	None,	-
McDonald Bros.,	Confectionery,	4	3	-	Fair,	None,	-
Boston Bridge Works,	Iron bridges,	157	-	1	Fair,	Procure certificate; guard set screws,	Complied.
Seavey & Co.,	Tinware,	60	28	2	Fair,	None,	-
Phillips Bros. & Co.,	Desks,	15	-	-	Fair,	Guard set screws,	Complied.
A. & E. Burton & Co.,	Brushes,	20	13	3	Fair,	None,	-
C. W. H. Moulton & Co.,	Ladders,	23	-	-	Fair,	Guard fly-wheel and belt,	Complied.
C. W. H. Moulton & Co.,	Ladders,	10	-	-	Fair,	None,	-
John Quinn,	House finish,	13	-	-	Fair,	Guard fly-wheel,	Complied.
Revere Sugar Refinery,	Sugar,	150	-	-	Fair,	Guard set screws and belts,	Complied.

* Partly complied.

DISTRICT NO. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CAMBRIDGE — <i>Concluded.</i>								
Otis S. Bullock, . . .	Machinery, . .	5	—	5	—	Fair, . .	None, . .	—
Riverside Boiler Works, . .	Boilers, . .	15	—	—	—	Good, . .	None, . .	—
The Riverside Press, . .	Job printing, . .	400	250	—	1	Good, . .	Guard set screws, . .	Complied.
Henry C. Langill, . .	House finish, . .	2	—	—	—	Fair, . .	Guard set screws, fly-wheel and belt, . .	Complied.
Riverside Bindery, . .	Bookbinding, . .	37	44	—	—	Good, . .	Post time tables; guard set screws, . .	Complied.
Reversible Collar Co., . .	Reversible collars, . .	57	33	—	—	Good, . .	Guard set screws, . .	Complied.
Standard Turning Works, . .	Turned goods, . .	8	5	—	—	Fair, . .	None, . .	—
O. Scranton & Co., . .	Mouldings, . .	5	—	—	—	Fair, . .	None, . .	—
The E. & R. Laundry, . .	Laundry, . .	2	4	—	—	Fair, . .	Post time table; guard set screws; provide two water-closets, and designate the same. . .	Complied.
Rourke & Moules, . .	Furniture, . .	12	—	—	—	Fair, . .	Guard set screws and saws; clean water-closet. . .	Complied.
J. Frank Facey, . .	Job printing, . .	5	3	—	—	Fair, . .	Guard set screws; additional water-closet, and designate. . .	Complied.
Farquhar & Campbell, . .	Bookbinding, . .	3	4	—	—	Fair, . .	Post time table; provide water-closet, and designate. . .	—*
The Cambridge Chronicle Co., . .	Newspaper, . .	2	7	—	—	Fair, . .	Post time tables; guard set screws, . .	Complied.
Charles E. Pierce, . .	Tinware, . .	13	—	—	—	Fair, . .	Guard set screws, . .	Complied.
W. W. Reid, . .	Shoe blacking, . .	2	1	—	—	Fair, . .	None, . .	—

W. F. Murray & Co., . . .	Shirts, . . .	5	45	—	—	Good, .	Post time tables; guard shafting in stitching room; designate water-closets.	—*
L. F. Weston, . . .	Job printing, . . .	4	1	—	1	Fair, .	Procure certificate; post time tables; guard dynamo and set screws.	—*
Harvard Printing Co., . . .	Job printing, . . .	8	4	—	—	Fair, .	Guard set screws, . . .	Complied.
Cambridge Press, . . .	Newspaper, . . .	10	3	—	1	Fair, .	Procure certificate; guard dynamo, . . .	Complied.
DRACUT.								
Parker & Bassett, . . .	Paper, . . .	12	2	—	—	Fair, .	Post time tables; guard fly-wheel, crank, belts, set screws, driving wheels and pulleys; rail to stair-way.	—*
Merrimack Woolen Manuf'g Co., . . .	Cloaking and shawls.	270	90	—	10	Good, .	Procure certificate; guard set screws, . . .	Complied.
Collins Mills, . . .	Woolen goods, . . .	277	73	—	21	Good, .	Post time tables; guard fly-wheel, crank, belts and set screws.	—*
EVERETT.								
Maurice A. Page, . . .	House finish, . . .	15	—	—	—	Poor, .	Post time table; guard fly-wheel, belt, saws, set screws and outside opening; clean privy.	Complied.
C. H. Bangs, . . .	Druggists' furniture.	49	—	—	1	Poor, .	Procure certificate; post time table; guard set screws, saws and belt; provide privy.	Complied.
Edward Dewey & Co., . . .	Engine governors, . . .	25	—	—	—	Good, .	Guard set screws, . . .	Complied.
O. J. Faxon, . . .	Iron, . . .	35	—	—	—	Fair, .	Guard set screws, . . .	Complied.
Everett Steam Laundry, . . .	Laundry, . . .	2	5	—	—	Poor, .	Repair stairs and place rail to stair-way; clean privies.	Complied.

* Partly complied.

DISTRICT NO. 1—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
EVERETT — <i>Concluded.</i>								
Wright & Ditson,	Tennis balls,	4	7	—	1	Poor, .	Procure certificate; post time tables; guard set screws; repair, clean and designate privies.	Complied.
S. Brainard Pratt & Co., . .	Knitted goods,	5	45	—	—	Good, .	Guard set screws,	Complied.
Boston Wood Rim Works, . .	Bicycle wheels,	10	—	—	—	Fair, .	None,	—
HUDSON.								
Dunn, Green & Co.,	Leather,	110	—	—	—	Fair, .	Guard set screws and belt,	Complied.
Apsley Rubber Co,	Rubber clothing,	41	123	—	8	Good, .	Post time tables; guard set screws,	Complied.
Tower Bros.,	Machinery,	8	—	—	—	Fair, .	Guard fly-wheel and set screws,	—*
H. A. Trull,	Shoes,	108	57	—	9	Good, .	Guard set screws; doors to water-closet on top floor, and designate; safety device for elevator.	Complied.
LOWELL.								
Faulkner Mills,	Dress goods,	174	126	3	7	Fair, .	Guard belts,	Complied.
Scripture's Laundry,	Laundry,	8	28	—	—	Fair, .	Guard set screws, belt to elevator and elevator landing on first floor; provide self-closing hatches or gates to elevator well on second floor.	Complied.
Sterling Mills,								
J. S. Jaques Shuttle Co., . .	Flannels,	90	62	—	8	Good, .	Guard set screws,	Complied.
	Bobbins and spools,	15	—	—	—	Fair, .	Guard set screws; keep door unlocked.	Complied.

Wamesit Machine Co.,	Machinists' tools,	3	—	—	Fair,	None,	Complied.
Belvidere Mill No. 2,	Woolleens,	61	46	7	Fair,	Guard set screws,	Complied.
American Bolt Co.,	Bolts, nuts and screws,	125	—	6	Fair,	Post time tables; guard engine crank.	Complied.
Thorndike Manufacturing Co.,	Elastic goods,	32	72	2	Fair,	Procure certificate; guard set screws.	Complied.
William H. Carter,	Women's cloaking,	15	5	—	Fair,	Guard set screws and belt,	Complied.
Walter Coburn & Co.,	Rag assorting,	15	5	—	Fair,	Post time tables; guard set screws,	Complied.
United States Cartridge Co.,	Cartridges,	140	170	43	Fair,	Certificates for three minors; guard set screws.	Complied.
United States Bunting Co.,	Bunting,	248	242	28	Fair,	Guard set screws,	Complied.
Belvidere Woolen Manufacturing Co., No 1.	Flannels,	37	32	3	Fair,	Procure certificate; guard engine crank, set screws and pulley.	Complied.
Whittier Cotton Mills,	Cotton yarns,	20	60	—	Fair,	Guard engine crank and set screws,	Complied.
Massachusetts Cotton Mills,	Cotton cloth,	634	1,204	88	Fair,	Certificates for fifteen minors; guard engine cranks; safety device for three elevators.	Complied.
Lowell Manufacturing Co.,	Carpets,	871	1,100	90	Fair,	Guard engine cranks and fly-wheel; new ropes and safety device for one elevator.	Complied.
Boott Cotton Mills,	Cotton cloth,	684	1,264	85	Fair,	Certificate for one minor; guard engine crank and set screws.	Complied.
Morning Mail Co.,	Newspaper,	48	3	—	Good,	Post time tables,	Complied.
Citizen Company,	Newspaper,	26	4	—	Good,	Post time tables,	Complied.
C Littlefield & Co.,	Paper boxes,	8	32	—	Fair,	None,	Complied.
C. I. Hood & Co.,	Patent medicines,	240	377	4	Good,	Post time tables; guard fly-wheels, cranks, belts, heating engine, set screws; safety for two elevators.	Complied.
Merrimack Manufacturing Co.,	Prints and shirting,	1,499	1,261	94	Fair,	Certificate for one minor; guard fly-wheels, cranks and set screws.	Complied.

* Partly complied.

DISTRICT NO. 1—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LOWELL.—Continued.								
Lawrence Manufacturing Co.,	Cotton and print goods.	1,367	2,552	—	273	Poor,	Guard cranks and set screws; clean and ventilate water-closets; safety device for elevator.	Complied.
Warren Clifford,	Dyeing,	2	1	—	—	Fair,	Post time table,	Complied.
Reynolds Steam Dye Works,	Dyeing,	3	3	—	—	Fair,	Post time tables,	Complied.
Lowell Bleachery & Dye Works,	Bleaching and dyeing.	225	15	—	2	Fair,	Guard belt and set screws; safety device for two elevators; new cable for small elevator.	Complied.
S. E. & T. Stott,	Machine wool-combs.	17	—	—	—	Fair,	Guard fly-wheels, belts and set screws; clean and repair privy.	Complied.
Walsh Worsted Mill,	Worsted yarn,	35	86	—	14	Fair,	None,	—
Lark Worsted Mill,	Worsted yarn,	3	17	—	1	Good,	Procure certificate,	Complied.
E. Hapgood & Son,	Mattresses,	17	6	—	—	Fair,	Guard engine crank; set screws and opening to stairway.	Complied.
Lladnek Print Works,	Print goods,	42	8	—	—	Fair,	Post time tables, guard fly-wheel, crank, set screws and gears to printing machine; safety device for elevator.	Complied.
E. Hapgood & Son,	Mattresses,	10	1	—	1	Fair,	Procure certificate; posttime tables,	Complied.
White Bros. & Co.,	Leather,	38	—	—	—	Fair,	Guard set screws; clean privy; safety for elevator.	Complied.
Highland Steam Laundry,	Laundry,	7	20	—	—	Good,	Post time table; guard belt,	Complied.

Massachusetts Mohair Plush Co.,	Plush, . . .	40	35	—	3	Fair, .	Post time tables,	Complied.
Amraytoon Paper Tube Co.,	Paper tubes, .	10	7	—	5	Fair, .	Certificates for four minors; post time tables.	Complied.
S. W. Fletcher, . . .	House finish, .	20	—	—	—	Fair, .	Post time table; guard saws and set screws; safety device for elevator.	Complied.
Doherty Bros., . . .	Iron, . . .	15	—	—	—	Poor, .	Provide suitable privy, . . .	Complied.
American Wire Goods Co., .	Wire goods, . .	9	2	—	—	Fair, .	Post time tables; guard set screws,	Complied.
Wm. H. Parker & Sons, . .	Spools and bob- bins, . . .	170	—	—	10	Fair, .	Post time tables; guard set screws and saws.	Complied.
F. E. Jewett & Co., . . .	Leather blacking, .	4	—	—	—	Fair, .	Guard belt; rail to stairway, .	Complied.
Frank G. Cummings, . . .	Boxes, . . .	5	—	—	1	Fair, .	Procure certificate; post time table,	Complied.
Wm. H. Kimball, . . .	Balusters, . . .	6	—	—	—	Fair, .	None, . . .	Complied.
Standard Bottling Co., . .	Mineral water, .	7	1	—	1	Fair, .	Procure certificate; post time tables; guard set screws.	Complied.
Moxie Nerve Food Co., . .	Moxie, . . .	7	1	—	—	Good, .	Post time table, . . .	Complied.
C. S. Dodge, . . .	Machinery, . .	8	—	—	—	Fair, .	Post time table; guard set screws, belt and three outside openings.	Complied.
Frank B. Cheney, . . .	Boxes, . . .	22	—	—	—	Fair, .	Post time table; guard fly-wheel, engine crank and set screws.	Complied.
J. C. Ayer Co., . . .	Patent medicines, .	92	64	—	1	Good, .	Post time tables; guard fly-wheel, belt and set screws.	Complied.
Lowell Scale Co., . . .	Scales, . . .	8	—	—	—	Fair, .	Guard set screws, . . .	Complied.
Davis & Sargent, . . .	Boxes, . . .	30	—	—	—	Fair, .	Keep doors unlocked, . . .	Complied.
The Lowell Daily Sun, . .	Newspaper, . .	24	—	—	—	Good, .	Guard set screws and belt, . .	Complied.
Lowell Daily Courier, . .	Newspaper, . .	36	11	—	—	Good, .	Post time tables; guard set screws, Procure certificate; post time table; guard set screws.	Complied.
Lowell Times and Star, . .	Newspaper, . .	37	—	—	1	Good, .	Procure certificate; post time tables; guard set screws.	Complied.
Lowell Daily News, . . .	Newspaper, . .	31	4	—	1	Good, .	Procure certificate; post time tables; guard set screws.	Complied.
Vox Populi Press, . . .	Job printing, .	15	3	—	1	Fair, .	Post time tables; guard set screws; safety device for elevator.	Complied.

DISTRICT No. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LOWELL — Continued.								
Bachellor, Dumas & Co.,	Book binding,	12	13	—	1	Good,	Procure certificate; guard set screws and dynamo.	Complied.
C. F. Hatch & Co.,	Paper boxes,	6	25	—	—	Good,	Post time tables; guard belts,	Complied.
E. W. Hoyt & Co.,	Cologne,	4	7	—	—	Good,	Post time tables; guard set screws,	Complied.
John Tripp & Co.,	Roll coverings,	12	—	—	—	Good,	Guard set screws,	Complied.
Wm. Kelley & Son,	House finish,	10	—	—	—	Fair,	Guard set screws,	Complied.
Sawyer Carriage Co.,	Carriages,	20	—	—	—	Fair,	None.	—
John Ryan & Co.,	Brass castings,	7	—	—	—	Poor,	Provide water-closet,	Complied.
Globe File Works,	Files,	4	—	—	1	Fair,	Procure certificate,	Complied.
Charles E. Gee,	Machinery,	6	—	—	—	Good,	Guard set screws,	Complied.
W. F. Copson,	Elastic web,	4	5	—	—	Poor,	Post time table; additional water-closet, and designate.	Complied.
Joel Knapp,	Machinery,	5	—	—	—	Fair,	None,	—
John Walsh,	Furniture,	5	—	—	—	Fair,	Guard set screws and belt,	Complied.
F. S. Perkins,	Machinery,	10	—	—	—	Fair,	Guard set screws,	Complied.
Middlesex Machine Co.,	Steam and gas fitters' supplies.	8	—	—	—	Fair,	None,	—
A. L. Brooks & Co.,	Wooden boxes,	25	—	—	—	Fair,	Guard fly-wheel, crank, belt and set screws.	Complied.
Lowell House Finishing Co.,	House finish,	5	—	—	—	Fair,	Guard belt, saw and outside opening,	Complied.
M. Aldrich,	Wooden screws,	5	—	—	—	Fair,	Guard set screws,	Complied.
Lepine & Co.,	Newspaper,	14	—	—	1	Fair,	Procure certificate,	Complied.

Le National,	Newspaper,	8	—	—	—	Fair,	Post time table,	Complied.
B. F. Stevens,	Pulley lathes,	9	—	—	—	Fair,	Guard fly-wheel, belt and set screws; rail stairway.	Complied.
Scannell & Wholey,	Steam boilers,	31	1	—	—	Fair,	Guard set screws,	Complied.
Merrimack Croquet Co.,	Toys,	38	2	—	—	Good,	Post time tables; guard set screws,	Complied.
Lowell Steam Boiler Works,	Boilers,	34	1	—	—	Fair,	Guard set screws,	Complied.
Criterion Knitting Co.,	Underwear,	10	50	—	—	Good,	Post time tables; guard set screws and portion of shafting in stitching room.	Complied.
The Coburn Shuttle & Bobbin Co.,	Loom shuttles,	45	—	—	—	Fair,	Guard set screws,	Complied.
A. L. Wright,	Engine lathes,	15	—	—	—	Fair,	None,	—
Samuel Sewell,	Harness heddles,	3	—	—	—	Fair,	None,	—
Swain Turbine Co.,	Turbine wheels,	20	—	—	—	Fair,	None,	—
W. V. Adams & Co.,	Worsted yarn,	7	23	—	1	Fair,	Procure certificate; post time tables; guard set screws, belt and outside openings; designate water-closets.	Complied.
A. Nourbourn,	Machinery,	3	—	—	—	Fair,	Guard set screws,	Complied.
W. E. Hatch,	House finish,	6	—	—	—	Fair,	Guard set screws, saws, belts, pulley and outside opening.	Complied.
J. G. Peabody & Sons,	Doors,	3	—	—	—	Fair,	Guard set screws and saws,	Complied.
Mark Holmes, Jr. & Son,	House finish,	15	—	—	—	Fair,	None,	—
C. I. Taylor & Co.,	House finish,	4	—	—	—	Fair,	None,	—
A. Bibault,	House finish,	6	—	—	—	Poor,	Guard set screws; provide privy,	—*
Josiah Harriman,	Suspenders,	7	32	—	3	Good,	Guard set screws and outside opening,	Complied.
Anasa Pratt & Co.,	Doors and blinds,	40	—	—	—	Fair,	Guard set screws; clean privy,	Complied.
Hibbert & Smith,	Doors and blinds,	10	—	—	—	Fair,	Guard set screws,	Complied.
Josiah Harriman,	Suspenders,	6	4	—	1	Good,	Procure certificate,	Complied.
Columbia Cash Register Co.,	Cash registers,	6	—	—	1	Good,	Procure certificate; post time table; guard set screws and dynamo.	Complied.

* Partly complied.

DISTRICT NO. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LOWELL — <i>Concluded.</i>								
W. H. Bagshaw,	Needle pointed card clothing.	25	—	—	—	Fair, .	Guard set screws,	Complied.
G. W. Fifield,	Engine lathes,	43	—	—	—	Good, .	Guard fly-wheel, crank, belts and set screws.	— *
John Pelling Shoe Co.,	Boots,	155	90	—	16	Good, .	Certificates for three minors,	Complied.
Pevey Bros.,	Iron,	30	—	—	—	Fair, .	None.	—
Rice & Co.,	Wire cloth,	23	—	—	6	Fair, .	Certificates for five minors,	Complied.
A. P. Bateman,	House finish,	26	1	—	—	Fair, .	Guard set screws and two openings,	Complied.
A. Bachelidor & Co.,	Bungs,	12	—	—	—	Poor, .	Provide suitable privy,	Complied.
Lowell Hosiery Co., . .	Hosiery,	81	92	—	10	Fair, .	Procure certificate ; guard set screws,	Complied.
S. C. Smith,	Cap and set screws,	8	—	—	—	Fair, .	Guard set screws,	Complied.
Kitson Machine Co., . .	Cotton machinery,	210	—	—	—	Fair, .	Guard set screws,	Complied.
Joshua M. Stover, . . .	Shoes,	144	72	—	11	Fair, .	Procure certificate ; guard set screws,	Complied.
Geo. W. Harris,	Loom harnesses,	24	6	—	—	Fair, .	Guard fly-wheel, crank, belt and set screws ; rail stairway.	— *
Shaw Stocking Co., . . .	Hosiery,	61	176	—	4	Good, .	None.	—
Hayworth & Watson, . .	Paper tubes,	13	12	—	—	Fair, .	Post time tables ; guard set screws,	Complied.
Lamson Consolidated Store Ser-vice Co.	Cash registers,	75	—	—	—	Good, .	Guard saws,	Complied.
W. W. Carey,	Machinery,	21	—	—	—	Fair, .	Guard set screws,	Complied.
Otis Allen & Son, . . .	Boxes,	52	—	—	2	Fair, .	None.	Complied.

MALDEN.	Webster & Co.,	Leather,	237	-	-	Fair,	Post time table; guard set screws,	Complied.
	J. A. W. Seaberg Machine Co.,	Machinery,	3	-	-	Fair,	Post time table; guard fly-wheel, belt and set screws; clean privy.	Complied.
	Wadsworth, Howland & Co.,	Paints,	32	8	-	Fair,	Procure certificate; guard set screws,	Complied.
	F. P. Green,	Machinery,	7	-	-	Fair,	Guard set screws; clean privy,	-
	S. E. Vaughan,	Wood and paper boxes,	45	40	-	Good,	None,	-
	Wiggin & Stevens,	Sand and emery papers,	30	4	-	Fair,	Post time tables; guard set screws,	Complied.
	Geo. P. Cox Last Co.,	Lasts,	45	-	-	Fair,	Guard set screws, belt and opening,	Complied.
	C. T. & J. C. Joslyn,	Syrups,	11	1	-	Good,	Post time table; guard opening,	Complied.
	Bettinson's Steam Laundry,	Laundry,	7	18	-	Good,	Guard set screws,	Complied.
	Hills Custom Laundry,	Laundry,	13	33	-	Fair,	Post time tables; guard set screws,	Complied.
	W. B. Keen & Son,	Carriages,	12	-	-	Poor,	Provide suitable privy,	†
	John Cochrane, Jr.,	Carpets,	38	11	-	Fair,	Procure certificate; post time tables; guard set screws and engine crank; clean privies.	†
	Robinson Bros. & Co.,	Soaps,	28	75	-	Good,	None,	-
	MELROSE.	Laundry,	4	5	-	Good,	None,	-
			3	5	-	Fair,	None,	-
	MEDFORD.	Printed goods,	74	15	9	Good,	None,	-
			17	6	-	Good,	None,	-
			9	25	-	Fair,	Guard set screws,	Complied.
	Mystic Print & Dye Works,	Dyed cottons,						
	Glenwood Works,	Laundry,						
	Medford Steam Laundry,							

* Partly complied.

† Recent order.

DISTRICT No. 1 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
NORTH BILLERICA.									
Talbot Mills,	Flannels,	195	96	—	19	Good, .	None, .	—	
Faulkner Manufacturing Co.,	Woollens,	54	38	—	10	Good, .	None, .	—	
READING.									
J. S. Temple,	Neckwear,	2	19	—	—	Good, .	Post time tables; additional privy, and designate; keep stairway clear.	Complied.	
Reading Rubber Manuf'g Co.,	Horse clothing,	17	2	—	—	Fair, .	Post time tables; guard set screws; clean privies, and designate.	Complied.	
W. C. Fleming & Co.,	Laundry,	1	3	—	—	Fair, .	None, .	—	
F. B. Richardson,	Boots and shoes,	75	75	—	1	Fair, .	Procure certificate; guard set screws, roller machine, shafting in stitching and crocus rooms; designate water-closets.	Complied.	
Brown Shoe Co.,	Children's shoes,	4	2	—	—	Good, .	Post time tables; designate privies,	Complied.	
STOW.									
C. W. & A. D. Gleason,	Woollens,	50	30	—	8	Good, .	None, .	—	
SOMERVILLE.									
Skilton, Foote & Co.,	Pickles and pre-serves.	7	30	—	—	Fair, .	Post time tables; guard fly-wheel, belt and set screws.	Complied.	
Somerville Journal Co.,	Newspaper,	17	7	—	2	Good, .	Procure certificate; guard set screws; designate water-closets.	Complied.	

North Packing and Provision Co.,	Pork products,	1,006	7	—	16	Good,	Procure certificates; post time tables; guard set screws, fly-wheel, belt and saws; water-closet for females; safety device for two elevators.	Complied.
New England Dressed Meat and Wool Co.	Wool, . . .	250	—	—	1	Fair,	Procure certificate; post time table; guard set screws and binder wheel; safety for elevator.	Complied.
Standard Vinegar Co., . .	Vinegar, . . .	4	—	—	—	Fair,	Guard opening in floor, stairway and hoist opening.	Complied.
Amos Haynes, . . .	Vinegar, . . .	16	—	—	—	Fair,	None, . . .	—
P. Forg, . . .	Hardware, . . .	19	1	—	1	Good,	Procure certificate; guard set screws,	Complied.
Victoria Iron Works, . . .	Machinery, . . .	6	—	—	—	Fair,	Guard set screws; provide water-closet.	Complied.
Miller Bros. & Co., . . .	Coffins, . . .	32	1	—	—	Fair,	Guard set screws, . . .	Complied.
Union Glass Co., . . .	Glassware, . . .	112	8	—	5	Fair,	Procure certificate; guard set screws,	—†
STONEHAM.								
P. Cogan & Son, . . .	Boots and shoes, . . .	48	32	—	1	Good,	Procure certificate; guard set screws and roller machine.	Complied.
F. B. Jenkins & Co., . . .	Boots and shoes, . . .	40	35	—	—	Fair,	Post time tables; guard set screws,	Complied.
S. W. Kimball, . . .	Shoes, . . .	56	25	—	—	Good,	Guard set screws, roller and dinker machines.	—*
The E. A. Vinton Shoe Co., . .	Boots and shoes, . . .	44	30	—	—	Fair,	Post time tables; guard set-screws and portion of shafting in stitching room.	Complied.
E. L. Patch & Co., . . .	Chemicals, . . .	40	35	—	—	Fair,	Guard set screws, . . .	Complied.
Hamilton Hay, . . .	Boots and shoes, . . .	36	26	—	—	Good,	None, . . .	—

* Partly complied.

† Recent order.

DISTRICT NO. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		NUMBER EMPLOYED.						
		Males.	Females.	Under 14.	14 to 16.			
STONEHAM — <i>Concluded.</i>								
A. E. Mann,	Shoes,	217	115	—	7	Fair, .	Procure certificate; post time tables; guard set screws; keep door unlocked, stairs and hallway clear.	— *
T. H. Jones,	Shoes,	150	96	—	1	Good, .	Procure certificate; post time tables; guard set screws.	— †
TOWNSEND.								
Spaulding Bros.,	Leatherboard,	26	7	—	2	Fair, .	Procure certificates; post time tables; guard set screws.	Complied.
B. & A. D. Fessenden,	Pails and tubs,	65	—	—	—	Good, .	None,	—
U. S. Adams,	Kegs and pails,	49	—	—	—	Fair, .	Post time table,	Complied.
W. P. Taylor,	Furniture,	18	—	—	—	Fair, .	None,	—
Clarence Stickney,	Barrels,	17	2	—	—	Fair, .	None,	—
E. W. Seaver,	Tubs and pails,	12	1	—	—	Fair, .	None,	—
WOBURN.								
George W. Nichols,	Shoe stitching,	3	22	—	—	Good, .	Post time tables,	Complied.
Coombs & Brown,	Machinery,	3	—	—	—	Fair, .	Guard fly-wheel, belt and set screws,	Complied.
T. Calnan,	Pasted shoe stock,	15	30	—	2	Fair, .	Post time tables,	Complied.
Briggs Electro Plating Co.,	Wire goods,	3	2	—	—	Fair, .	Post time table; designate water-closets.	Complied.
P. Bancroft,	Slippers,	9	—	—	—	Fair, .	None,	—

DISTRICT NO. 1 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WINCHESTER — <i>Concluded.</i>								
Blank Bros, No. 1, . . .	Leather, . . .	13	—	—	—	Fair, .	Post time table, . . .	Complied.
Blank Bros, No. 2, . . .	Leather, . . .	20	—	—	—	—	None, . . .	—
Whitney Machine Co., . . .	Machinery, . . .	7	—	—	—	Fair, .	Guard fly-wheel and set screws; clean privy.	— *
S. C. Small & Co., . . .	Furniture, . . .	17	—	—	—	Fair, .	Guard saws, . . .	— *
WALTHAM.								
United States Watch Co., . . .	Watches, . . .	57	36	—	3	Good, .	Procure certificate; designate water-closet.	Complied.
West End Laundry, . . .	Laundry, . . .	4	3	—	—	Fair, .	Post time tables; guard fly-wheel and belt.	Complied.
Waltham Dial Co, . . .	Watch dials, . . .	23	18	—	1	Good, .	Procure certificate; post time tables,	Complied.
Waltham Manufacturing Co., . . .	Bicycles, . . .	35	—	—	—	Good, .	Post time table; guard fly-wheel, crank and belts; provide privy.	Complied.
Waltham Bleachery & Dye Works, . . .	Bleaching and dyeing.	225	15	—	1	Fair, .	Procure certificate; post time table; guard belt and set screws; designate water-closet.	Complied.
Waltham Steam Laundry, . . .	Laundry, . . .	7	33	—	—	Good, .	Guard set screws, . . .	Complied.
Boston Manufacturing Co, . . .	Dress goods and underwear.	524	675	—	70	Good, .	Guard set screws, fly-wheel and belt; safety device for elevator.	Complied.
Boston Emery Wheel Co., . . .	Emery wheels, . . .	8	—	—	—	Fair, .	Guard saws and set screws; keep outside door unlocked.	Complied.

American Steam Laundry, .	Laundry, .	6	20	—	—	Fair, .	Guard set screws; designate water-closets.	Complied.
John Stark, .	Watch tools, .	11	—	—	—	Fair, .	None,	—
Waltham Electric Clock Co.,	Clocks,	5	—	—	—	Good, .	None,	—
American Watch Tool Co., .	Watch tools,	31	6	—	—	Good, .	Guard set screws,	Complied.
Waltham Gas Light Co., .	Gas and electric light.	29	—	—	—	Good, .	Guard fly-wheels, belts and driving-wheels.	Complied.
WESTFORD.								
Abbott Worsted Mills, .	Worsted yarns,	76	91	—	25	Fair, .	None,	—
C. G. Sargent's Sons, . .	Wool-washing machines.	25	—	—	—	Fair, .	Guard set screws; clean water-closet.	Complied.
WAKEFIELD.								
Winship, Boit & Co., . .	Knit underwear,	3	72	—	1	Good, .	Post time tables,	Complied.
D. H. Philbrook & Co., .	Rattan furniture,	3	—	—	—	Fair, .	None,	—
Wakefield Steam Laundry, .	Laundry,	5	12	—	1	Good, .	Procure certificate,	Complied.
Wakefield Reed Chair Co., .	Reed chairs,	64	6	—	—	Fair, .	Post time tables; guard set screws and saws; privy for females, and designate.	Complied.
THOMAS EMERSON'S SONS,								
Thomas Emerson's Sons, .	Shoes,	45	30	—	2	Fair, .	Procure certificate,	—*
L. B. Evans' Son,	Shoes,	29	1	—	—	Good, .	None,	—
Wakefield Rattan Co., . .	Rattan furniture,	319	191	—	26	Good, .	Certificates for five minors; post time tables.	—*
WILMINGTON.								
G. & E. G. Place & Co., .	Leather,	77	—	—	1	Fair, .	Procure certificate; post time table; guard set screws.	Complied.
WESTON.								
Ralph Kenney & Co., . .	Furniture,	8	—	—	—	Fair, .	None,	—

* Recent orders.

REPORT OF INSPECTOR HALSTRICK.

In reviewing the results of the operation of the factory laws in the district assigned me during the past six years, I am pleased to say that the benefits derived from the enforcement have, in my opinion, been productive of much good to both employer and employee.

The sanitation in factories and workshops I have found to require constant supervision, more especially in the smaller workshops, which are not at all times kept in a condition conducive to health; but the general condition of factories, from a sanitary point of view, is much improved.

The elevators in the district have been constructed in the manner required by law, and invariably provided with some form of safety device, whereby the car is held in case of an accident to the cable or gear; and the openings to the well-holes have been provided with doors, automatic gates or bars. The law relating to the employment of custodians of elevators (wherein it is provided that no person, firm or corporation shall employ or permit any person under fifteen years of age to have the care or operation of any elevator) has been strictly complied with.

An act in relation to the reports of accidents, requiring factories, manufacturing and mercantile establishments to send to the chief of the district police a written notice of any accident to an employee, has not in all cases been observed by the mercantile establishments; their plea being ignorance of such law, they presumed not having fully informed themselves as to its provisions, consequently manifest no spirit of obedience thereto.

The law in relation to the guarding of dangerous machinery has been strictly enforced; and the observance of the requirements of the law relative to the employment of children, the posting of time notices of the hours of labor for women and minors, has been quite general.

In fact, the manufacturers show such a commendable desire to fully inform themselves in regard to the provisions of the various factory laws, and to comply with their requirements, that it is only necessary to call their attention to any violation to have it immediately remedied.

DISTRICT No. 2, JOSEPH HALSTRICK, Inspector.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
ASHLAND.							
Warren Thread Co.,	Cotton thread,	15	45	—	Good,	None,	—
F. A. Wicher,	Boots and shoes,	185	40	—	Good,	None,	—
J. A. Balcom & Son,	Shoes,	12	2	—	Good,	None,	—
C. Greshaber,	Shoes,	6	—	—	Good,	None,	—
BELLINGHAM.							
Ray's Woolen Mill,	Satinets,	84	67	—	Good,	None,	—
Taft, McKean & Co.,	Satinets,	65	50	1	Good,	None,	—
BOSTON.							
W. F. Badger,	Wood worker,	30	—	—	Good,	Guard main belt and dynamo,	Complied.
Boston Apron Supply,	Duck coats,	2	—	—	Good,	None,	—
Eastern Steam Laundry,	Laundry,	3	24	—	Good,	None,	—
City Laundry,	Laundry,	5	65	—	Good,	None,	—
J. W. Strieder,	Cigar boxes,	46	30	—	Good,	None,	—
Boston Budget,	Publishing,	7	24	—	Good,	None,	—
F. E. & J. A. Green,	Nervura,	22	18	—	Good,	None,	—
Boston Thread & Twine Co.,	Thread and twine,	55	126	20	Good,	None,	—
Roxbury Steam Laundry,	Laundry,	3	20	—	Good,	None,	—
Creamer & Wing,	Laundry,	6	26	—	Good,	None,	—
N. E. Morocco Works,	Morocco,	4	—	—	Good,	None,	—

DISTRICT NO. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.			
BOSTON — Continued.							
Russ, Eveleth & Ingalls, . . .	Underwear, . . .	5	35	—	Good, . . .	None, . . .	—
John A. Lowell & Co., . . .	Stationery, . . .	47	60	—	Good, . . .	None, . . .	—
Canton Street Laundry, . . .	Laundry, . . .	8	38	—	Good, . . .	None, . . .	—
Kakas & Sons, . . .	Furriers, . . .	5	10	—	Good, . . .	None, . . .	—
Jacob Norton, . . .	Furriers, . . .	7	10	—	Good, . . .	None, . . .	—
Walter M. Lowney, . . .	Confectionery, . . .	50	150	—	Good, . . .	None, . . .	—
J. E. Farwell, . . .	Printing, . . .	12	8	—	Good, . . .	None, . . .	—
F. J. Barnard & Co., . . .	Bookbinding, . . .	10	15	—	Good, . . .	Post time notice, . . .	Complied.
W. Spooner, . . .	Printing, . . .	5	1	—	Good, . . .	Post time notice, . . .	Complied.
Home Laundry, . . .	Laundry, . . .	3	8	—	Good, . . .	—	—
The Blair Camera Co., . . .	Cameras, . . .	16	2	—	Good, . . .	Certificate for minors, . . .	Complied.
George Frost Co., . . .	Waists, . . .	18	111	—	Good, . . .	—	—
Boot & Shoe Recorder, . . .	Publishing, . . .	15	15	—	Good, . . .	Post time notice; guard belt, . . .	Complied.
Sibley & Co., . . .	Shirts, . . .	1	6	—	Good, . . .	None, . . .	—
J. A. Babcock, . . .	Straw hats, . . .	14	30	—	Good, . . .	None, . . .	—
Merrill Piano Co., . . .	Pianos, . . .	7	—	—	Good, . . .	None, . . .	—
Cable Rubber Co., . . .	Rubber clothing, . . .	20	40	—	Good, . . .	None, . . .	—
Milo Whitney, . . .	Organ keys, . . .	15	2	—	Good, . . .	Post time notice, . . .	Complied.
Shreve, Crump & Low Co., . . .	Jewelry, . . .	44	6	—	Good, . . .	None, . . .	—
J. B. Bailey, . . .	Confectionery, . . .	4	5	—	Good, . . .	Post time notice, . . .	Complied.
Henry A. Turner, . . .	Furniture, . . .	27	13	—	Good, . . .	None, . . .	—
Elmer Chickering, . . .	Photographer, . . .	18	12	—	Good, . . .	Post time notice, . . .	Complied.

DISTRICT No. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
BOSTON — <i>Continued.</i>									
Dennison Manufacturing Co.,	Tags and paper boxes.	180	200	—	—	Good, .	None, . .	Complied.	
H. L. Hildreth, . . .	Confectionery, .	7	15	—	—	Good, .	Post time notice, .	Complied.	
Weil & Dryfus, . . .	Shirts, . . .	6	28	—	—	Good, .	None, . .	Complied.	
Richardson, Howe, Lovejoy & Co.,	Wrappers, . . .	15	60	—	—	Good, .	None, . .	Complied.	
W. C. Stahl, . . .	Confectionery, .	1	2	—	—	Good, .	None, . .	Complied.	
Vienna Compressed Yeast Co.,	Compressed yeast, .	12	15	—	—	Good, .	None, . .	Complied.	
Farrington Printing Co.,	Printing, . . .	14	1	—	—	Good, .	Post time notice, .	Complied.	
L. Cahors, . . .	Confectionery, .	2	6	—	—	Good, .	Post time notice, .	Complied.	
Perfect Waist Co.,	Waists, . . .	—	25	—	—	Good, .	None, . .	Complied.	
A. J. Tower, . . .	Oil clothing, . .	50	250	—	—	Good, .	None, . .	Complied.	
A. B. Fitch, . . .	Furrier, . . .	2	2	—	—	Good, .	Post time notice, .	Complied.	
The New Nation Publishing Co.,	Composing, . . .	6	1	—	—	Good, .	None, . .	Complied.	
D. A. Inwood, . . .	Plating and stamping.	—	2	—	—	Good, .	None, . .	Complied.	
Olympian Home Laundry, . .	Laundry, . . .	2	10	—	—	Good, .	None, . .	Complied.	
Little, Maxwell & Co.,	Boots and shoes, .	51	24	—	—	Good, .	None, . .	Complied.	
Edward Kakas & Son, . .	Furriers, . . .	8	15	—	—	Good, .	None, . .	Complied.	
W. Richardson, . . .	Printing, . . .	3	2	—	—	Good, .	None, . .	Complied.	
Boston Printing Co.,	Printing, . . .	2	2	—	—	Good, .	None, . .	Complied.	
Bay State Cut Sole Co.,	Cut soles, . . .	10	—	—	—	Good, .	None, . .	Complied.	
J. R. Grose, . . .	Paper boxes, . .	3	6	—	—	Good, .	None, . .	Complied.	

DISTRICT NO. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.		Females.			
		Under 14.	14 to 16.				
BOSTON — Continued.							
G. Lanzendoerfer, . . .	Malt extract, . . .	9	1	—	Good, . . .	None, . . .	—
C. F. Grilley, . . .	Axle washers, . . .	2	3	—	Good, . . .	None, . . .	—
W. P. Marble & Co., . . .	Art novelties, . . .	2	6	—	Good, . . .	None, . . .	—
Goodnow & Jenks, . . .	Silversmiths, . . .	13	—	—	Good, . . .	None, . . .	—
Hovey & Harding, . . .	Art novelties, . . .	3	9	—	Good, . . .	Post time notice, . . .	Complied.
Boston Mailing Co., . . .	Binding and mail- ing, . . .	27	126	—	Good, . . .	None, . . .	—
W. S. Best, . . .	Printing, . . .	18	2	—	Good, . . .	None, . . .	—
S. K. Abbott & Co., . . .	Pamphlet binding, . . .	41	113	—	Good, . . .	None, . . .	—
Clifton Manufacturing Co., . . .	Rubber clothing, . . .	5	15	—	Good, . . .	None, . . .	—
Margot Bros., . . .	Watch cases, . . .	7	4	—	Good, . . .	None, . . .	—
Everett Press Co., . . .	Publishing, . . .	9	6	—	Good, . . .	None, . . .	—
Boston Bank Note Co., . . .	Lithography, . . .	22	3	—	Good, . . .	None, . . .	—
S. Ward & Co., . . .	Stationers, . . .	40	20	—	Good, . . .	None, . . .	—
Sparrell Print Co., . . .	Printing, . . .	12	3	—	Good, . . .	None, . . .	—
A. Storrs, Bement Co., . . .	Fancy cards, . . .	1	4	—	Good, . . .	None, . . .	—
Rand, Avery Supply Co., . . .	Printing, . . .	125	25	—	Good, . . .	None, . . .	—
Geo. H. Ellis, . . .	Publishing, . . .	50	35	—	Good, . . .	None, . . .	—
John A. Lowell, . . .	Engraving and printing, . . .	20	20	—	Good, . . .	None, . . .	—
Alfred Mudge & Son, . . .	Printing, . . .	125	50	—	Good, . . .	None, . . .	—
Holderer & McDonald, . . .	Cigars, . . .	10	1	—	Good, . . .	Post time notice, . . .	Complied.

B. F. Sturtevant,	Blowers,	270	—	—	Good,	None,	•	•	•	—
Norfolk Cleansing Co.,	Blanket cleansing,	5	—	—	Good,	None,	•	•	•	—
W. C. Demain & Son,	Paper ruling,	12	6	—	Good,	None,	•	•	•	—
A. A. Warren,	Printing,	8	1	—	Good,	Post time notice,	•	•	•	Complied.
W. H. Keeden,	Printing,	10	1	—	Good,	Post time notice,	•	•	•	Complied.
G. A. Sanford,	Book lettering,	4	1	—	Good,	None,	•	•	•	—
Daniel Gunn & Co.,	Printing,	18	1	—	Good,	Post time notice,	•	•	•	Complied.
G. E. Gray,	Millinery goods,	3	17	—	Good,	Post time notice,	•	•	•	Complied.
Bright & Co.,	Wrappers,	1	29	—	Good,	Post time notice,	•	•	•	Complied.
G. S. Guyer & Co.,	Hats,	47	30	—	Good,	Post time notice,	•	•	•	Complied.
Howard Watch Factory,	Watches and clocks,	75	25	—	Good,	None,	•	•	•	—
S. A. F. Whipple,	Laundry,	7	28	—	Good,	None,	•	•	•	—
Roxbury Steam Laundry,	Laundry,	4	14	—	Good,	None,	•	•	•	—
Shawmut Steam Laundry,	Laundry,	2	15	—	Good,	None,	•	•	•	—
West End Dye House,	Laundry,	1	3	—	Good,	None,	•	•	•	—
Eastern Steam Laundry,	Laundry,	3	19	—	Good,	None,	•	•	•	—
F. P. Cox,	Laundry,	10	70	—	Good,	None,	•	•	•	—
Commercial Laundry,	Laundry,	3	12	—	Good,	None,	•	•	•	—
Boston Custom Laundry,	Laundry,	10	30	—	Good,	None,	•	•	•	—
City Laundry,	Laundry,	60	58	—	Good,	None,	•	•	•	—
Standard Laundry,	Laundry,	2	24	—	Good,	None,	•	•	•	—
Suffolk Company,	Saddlery hardware,	9	1	—	Good,	None,	•	•	•	—
Johnson Laundry Co.,	Laundry,	5	25	—	Good,	None,	•	•	•	—
Trinity House Laundry,	Laundry,	—	18	—	Good,	None,	•	•	•	—
Carlton Laundry,	Laundry,	5	2	—	Good,	None,	•	•	•	—
Back Bay Custom Laundry,	Laundry,	8	32	—	Good,	None,	•	•	•	—
American Hand Laundry,	Laundry,	1	20	—	Fair,	None,	•	•	•	—
Pearson's Cordage Co.,	Cordage,	450	200	—	Good,	None,	•	•	•	—
Boston Times,	Publishing,	4	4	—	Good,	Post time notice,	•	•	•	Complied.
W. H. Knight,	Bookbinding,	2	1	—	Good,	Post time notice,	•	•	•	Complied.

DISTRICT No. 2—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
BOSTON — Continued.							
C. M. Robbins,	Paper ruling,	2	3	—	Good,	None,	—
M. J. Mahoney & Co.,	Bookbinding,	5	3	—	Good,	None,	—
John B. Watson,	Printing,	2	—	—	Good,	None,	—
Columbia Engraving Co.,	Engraving,	2	5	—	Good,	Post time notice,	—
Morning Star Publishing House,	Publishing,	9	16	—	Good,	None,	Complied.
R. Carrington,	Bookbinding,	1	2	—	Good,	None,	—
Franklin Bindery,	Bookbinding,	2	1	—	Good,	None,	—
W. M. Miller & Co.,	Steel plate printing.	5	1	—	Good,	None,	—
W. P. Hannaford & Co.,	Printing,	3	3	—	Good,	None,	—
Beacon,	Publishing,	3	6	—	Good,	None,	—
Thos. O'Callaghan,	Carpets,	100	15	—	Good,	None,	—
John H. Pray, Sons & Co.,	Carpets,	90	30	—	Good,	None,	—
David Wilcox & Co.,	Hats,	12	30	—	Good,	None,	—
Philadelphia Ice Cream Co.,	Ice cream,	4	—	—	Good,	None,	—
H. Krikorian,	Confectionery,	10	20	—	Good,	None,	—
E. D. Cowdrey,	Canned preserves,	13	17	—	Good,	None,	—
Allen & Berry,	Printing,	11	1	—	Good,	None,	—
B. Meisel,	Lithography,	9	—	—	Good,	Post time notice,	Complied.
C. A. Abraham's Sons,	Cigars,	11	3	—	Good,	None,	—
A. Flashen,	Shirts,	1	20	—	Good,	Post time notice,	Complied.
Union Cabinet Paper Co.,	Toilet paper,	5	1	—	Good,	None,	—

DISTRICT No. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
BOSTON — <i>Continued.</i>									
Back Bay Custom Laundry,	Laundry,	10	40	—	—	Good,	•	•	—
N. E. Piano Co.,	Pianos,	240	35	—	—	Good,	•	•	—
Willard & Quincy,	Fancy goods,	15	20	—	—	Good,	•	•	—
Linneman & Co.,	Small wares,	1	3	—	—	Good,	•	•	—
B. C. Lantz,	Pin cushions,	1	4	—	—	Good,	•	•	—
John J. Baird,	Paper boxes,	5	9	—	—	Good,	•	•	—
E. L. Joslin,	Forms,	2	4	—	—	Good,	•	•	—
Wheelock Manufacturing Co.,	Silk waists,	40	5	—	—	Good,	•	•	—
S. Rosenfield,	Cloth caps,	4	—	—	—	Good,	•	•	—
A. & K. Dinner,	Embroidering,	—	4	—	—	Good,	•	•	—
Winkler & Son,	Caps,	1	5	—	—	Good,	•	•	—
S. C. Chase,	Overgaiters,	1	6	—	—	Good,	•	•	—
Columbia Suspender Co.,	Suspenders,	2	1	—	—	Good,	•	•	Complied.
Wade Button Co.,	Buttons,	2	—	—	—	Good,	•	•	Complied.
Ulmer Manufacturing Co.,	Shoe dressing,	1	2	—	—	Good,	•	•	—
Gould Commercial Co.,	Rubber goods,	2	9	—	—	Good,	•	•	—
Solomon Drug Co.,	Proprietary medicines,	1	2	—	—	Good,	•	•	Complied.
Wilcox Manufacturing Co.,	Printing,	9	9	—	—	Good,	•	•	Complied.
Poole Printing Co.,	Printing,	8	2	—	—	Good,	•	•	Complied.
Robert Burlen,	Bookbinding,	18	14	—	—	Good,	•	•	—
McAdams & Hall,	Printing,	5	—	—	—	Good,	•	•	—

W. T. Sadler,	Bookbinding,	6	6	Good,	None,	.	.	.	.
Whalen & Farnum,	Printing,	9	4	Good,	None,	.	.	.	-
Home Peoples Publishing Co.,	Publishing,	3	6	Good,	None,	.	.	.	-
J. P. Boyce Cigar Co.,	Cigars, .	30	7	Good,	None,	.	.	.	-
H. M. Mason,	Cigars, .	9	6	Good,	None,	.	.	.	-
Fiedler Silk Manufacturing Co.,	Silk fringes,	10	40	Good,	None,	.	.	.	-
John R. Cohen,	Cigars, .	3	-	Good,	Post time notice,	.	.	.	Complied.
De L. Sheple & Co ,	Straw goods,	27	71	Good,	None,	.	.	.	-
H. O. Trafton & Co ,	Stamped goods,	2	4	Good,	None,	.	.	.	-
Cushman Bros. & Co.,	Upholstery, .	13	3	Good,	None,	.	.	.	-
J. W. Smith & Co,	Suspenders, .	5	9	Good,	None,	.	.	.	-
F. A. Horle, .	Paper boxes,	8	16	Good,	None,	.	.	.	-
Holmes & Co.,	Athletic goods,	5	60	Good,	None,	.	.	.	-
Kammeler Bros.,	Boot fitters, .	3	1	Good,	None,	.	.	.	-
R. Kammler,	Cigars, .	3	1	Good,	Post time notice,	.	.	.	Complied.
Russ, Eveleth & Ingalls,	Cotton underwear,	10	90	Good,	None,	.	.	.	-
M. Rosenfield,	Women's wrap- pers.	7	75	Good,	None,	.	.	.	-
Lamson & Hubbard,	Hats and caps,	40	30	Good,	None,	.	.	.	-
Kingston Knitting Co.,	Knit goods, .	14	6	Good,	None,	.	.	.	-
W. U. Lewison,	Umbrellas, .	15	5	Good,	None,	.	.	.	-
Bergheim Bros.,	Neckwear,	2	8	Good,	None,	.	.	.	-
A. Cohen & Co.,	Ladies' underwear,	1	7	Good,	None,	.	.	.	-
A. Fox & Co.,	Cloth caps, .	20	14	Good,	None,	.	.	.	-
B. F. Badger,	Razor straps,	2	3	Good,	Post time notice,	.	.	.	Complied.
C. A. Lowe & Co.,	Envelopes, .	3	5	Good,	None,	.	.	.	-
W. A. Greenough & Co.,	Publishing, .	3	9	Good,	None,	.	.	.	-
L. H. Lane, .	Printing,	4	6	Good,	None,	.	.	.	-
E. B. Russell,	Bookbinding,	2	7	Good,	None,	.	.	.	-
L. Barta & Co.,	Printing,	54	19	Good,	Post time notice,	.	.	.	Complied.
Norman & Bennett,	Boots and shoes, .	65	35	Good,	None,	.	.	.	-

DISTRICT No. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.			
				14 to 16.			
BOSTON — <i>Concluded.</i>							
C. A. Brackett, . . .	Paper boxes, . . .	5	20	—	Good, . . .	. . .	—
C. J. Peters & Son, . . .	Electrotyping, . . .	79	34	—	Good, . . .	. . .	—
Canton Street Laundry, . . .	Laundry, . . .	12	41	—	Good, . . .	. . .	—
Johnson Laundry, . . .	Laundry, . . .	10	45	—	Good, . . .	. . .	—
Chickering & Sons, . . .	Pianos, . . .	313	12	—	Good, . . .	. . .	—
White, Smith & Co., . . .	Publishing, . . .	45	8	2	Good, . . .	. . .	—
F. H. Gilson Co., . . .	Publishing, . . .	75	50	—	Good, . . .	. . .	—
Mass. Publishing Co., . . .	Publishing, . . .	6	10	—	Good, . . .	. . .	—
Cupples & Patterson, . . .	Printing, . . .	2	2	—	Good, . . .	. . .	—
Hotel & Steamboat Laundry, . . .	Laundry, . . .	8	27	—	Good, . . .	. . .	—
Canton Street Laundry, . . .	Laundry, . . .	8	45	—	Good, . . .	. . .	—
City Laundry, . . .	Laundry, . . .	2	60	—	Good, . . .	. . .	—
S. A. F. Whipple, . . .	Laundry, . . .	5	30	—	Good, . . .	. . .	—
Commercial Laundry, . . .	Laundry, . . .	3	14	1	Good, . . .	. . .	—
Shawmut Steam Laundry, . . .	Laundry, . . .	2	16	—	Good, . . .	. . .	—
Eastern Steam Laundry, . . .	Laundry, . . .	5	20	—	Good, . . .	. . .	—
F. P. Cox Laundry Co., . . .	Laundry, . . .	10	75	—	Good, . . .	. . .	—
Back Bay Custom Laundry, . . .	Laundry, . . .	12	33	—	Good, . . .	. . .	—
American Hand Laundry, . . .	Laundry, . . .	1	20	—	Good, . . .	. . .	—
Victoria Laundry, . . .	Laundry, . . .	3	7	—	Good, . . .	. . .	—
Olympian Hand Laundry, . . .	Laundry, . . .	3	11	—	Good, . . .	. . .	—
Boston Custom Laundry, . . .	Laundry, . . .	10	35	1	Good, . . .	. . .	—

Johnson Laundry,	Laundry,	5	30	—	Good,	None,	•	•	—
Home Laundry,	Laundry,	—	11	—	Good,	None,	•	•	—
G. Lanzenderfer,	Norris malt,	7	4	—	Good,	None,	•	•	—
F. J. Gilbert,	Brass novelties,	4	4	—	Good,	None,	•	•	—
Electric Lighting Co.,	Electrical appli- ances.	29	1	—	Good,	None,	•	•	—
Cleveland, Brown & Co.,	Neckwear,	5	75	1	Good,	None,	•	•	—
W. W. Maybaw,	Wrappers,	1	14	—	Good,	None,	•	•	—
Jameson & Son,	Straw goods,	5	35	1	Good,	None,	•	•	—
Rosenfield & Abrams,	Hats and caps,	9	1	—	Good,	Post time notice,	•	•	Complied.
E. W. Clark & Co.,	Dressmaking,	—	20	—	Good,	None,	•	•	—
Standard Laundry,	Laundry,	4	29	—	Good,	Post time notice,	•	•	Complied.
Colonial Stained Glass,	Art glass,	5	—	—	Good,	None,	•	•	—
Roxbury Machine Co.,	Model making,	4	—	—	Good,	None,	•	•	—
Farrow & Co.,	Stair builders,	15	—	—	Good,	Guard belt,	•	•	Complied.
Dennison Tag Factory,	Tags and paper boxes.	175	375	—	Good,	None,	•	•	—
Back Bay Laundry,	Laundry,	10	35	—	Good,	None,	•	•	—
Goodnow & Jenks,	Silversmiths,	20	—	—	Good,	None,	•	•	—
FRAMINGHAM.									
Gossamer Rubber Clothing Co.,	Rubber clothing,	10	—	—	Good,	None,	•	•	—
Gregory Shaw & Co.,	Boots and shoes,	463	70	7	Good,	None,	•	•	—
A. H. Ordway & Co.,	Rattan chairs,	53	—	—	Good,	None,	•	•	—
N. E. Rattan Co.,	Rattan chairs,	48	2	—	Good,	Post time notice,	•	•	Complied.
Smalley & Co.,	Straw hats,	70	171	—	Good,	None,	•	•	—
F. L. Barber & Co.,	Straw hats,	125	225	—	Good,	None,	•	•	—
Framingham Brass Manuf'g Co.,	Brass goods,	20	5	2	Good,	None,	•	•	—
South Framingham Laundry,	Laundry,	3	2	—	Good,	None,	•	•	—
Hickory Wheel Co.,	Bicycles,	45	—	—	Good,	None,	•	•	—
Saxonville Mills,	Worsted and wool- len yarns.	110	170	1	Good,	None,	•	•	—

DISTRICT No. 2—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
FRANKLIN.									
Ray's Shoddy Mill,	Shoddy,	31	3	—	—	Good,	None,	—	
Singleton Worsted Co.,	Worsted goods,	35	10	—	—	Good,	None,	—	
Franklin Knitting Co.,	Knit goods,	12	8	—	—	Good,	None,	—	
H. T. Hayward,	Satinets,	24	20	—	—	Good,	None,	—	
Erickson & Stewart,	Straw hats,	47	100	—	3	Good,	None,	—	
Sanborn Bros ,	Dressmaking,	—	8	—	—	Good,	None,	—	
E. D. Rockwood,	Straw hats,	2	4	—	—	Good,	None,	—	
E. P. Bassett & Son,	Straw hats,	75	175	—	—	Good,	None,	—	
Ray's Cassimere Mill,	Cassimeres,	100	40	—	2	Good,	None,	—	
Trowbridge Piano Co.,	Pianos,	40	—	—	—	Good,	None,	—	
Boston Rubber Co.,	Rubber boots,	57	60	—	—	Good,	None,	—	
Franklin Cotton Manuf'g Co.,	Wrapping twine,	7	19	—	2	Good,	None,	—	
Ray Fabric Mills,	Knit goods,	31	4	—	—	Good,	None,	—	
HOPKINTON.									
A Coburn, Sons & Co.,	Boots and shoes,	160	40	—	—	Good,	None,	—	
Crooks & Root Co.,	Boots and shoes,	155	59	—	—	Good,	None,	—	
Crooks & Root Co.,	Paper boxes,	10	6	—	—	Good,	None,	—	
G. & F. W. Wood,	Boots and shoes,	120	11	—	—	Good,	None,	—	
HOLLISTON.									
Eaton & Stephens,	Boots and shoes,	120	30	—	—	Good,	None,	—	

Name	Quantity	Description	Condition	Value	Date	Remarks	Complied.
John Clancy,	32	Boots and shoes, . . .	Good, . . .	1	1	None, . . .	—
Hughes & Co.,	37	Harnesses,	Good, . . .	3	3	None, . . .	—
E. A. Cooledge,	8	Straw hats,	Good, . . .	7	7	Post time notice, . . .	—
Holliston Mills,	72	Woollen blankets, . . .	Good, . . .	18	18	None, . . .	—
D. C. Mowry,	50	Straw hats,	Good, . . .	90	90	None, . . .	—
HOPEDALE.							
Hopedale Machine Co,	238	Cotton machinery, . . .	Good, . . .	—	—	None, . . .	—
The Dutcher Temple Co.,	41	Loom temples,	Good, . . .	6	6	None, . . .	—
Hopedale Elastic Goods Co.,	30	Elastic fabrics,	Good, . . .	75	75	None, . . .	—
Hopedale Machine Screw Co.,	79	Screws,	Good, . . .	—	—	None, . . .	—
Northrop Loom Co,	13	Looms,	Good, . . .	—	—	None, . . .	—
George Draper & Sons,	29	Spinning rings,	Good, . . .	—	—	None, . . .	—
MARLBOROUGH.							
Marlborough Steam Laundry,	4	Laundry,	Good, . . .	8	8	Guard belt, . . .	—
Marlborough Counter Co.,	5	Shoe counters,	Good, . . .	—	—	None, . . .	—
Rice & Hutchins Cotton Ave. Factory,	300	Shoes,	Good, . . .	100	100	None, . . .	—
Boyd & Corey,	175	Boots and shoes,	Good, . . .	75	75	None, . . .	—
J. B. Billings,	78	Boots and shoes,	Good, . . .	47	47	None, . . .	—
Rice & Hutchins Middlesex Co.,	90	Boots and shoes,	Good, . . .	60	60	Post time notice, . . .	—
Chase, Merritt & Co.,	100	Boots and shoes,	Good, . . .	50	50	None, . . .	—
John O'Connell & Son,	125	Shoes,	Good, . . .	75	75	None, . . .	—
J. F. Desmond,	35	Shoes,	Good, . . .	20	20	None, . . .	—
H. O. Russell,	38	Shoes,	Good, . . .	12	12	None, . . .	—
S. H. Howe Diamond O,	142	Shoes,	Good, . . .	58	58	None, . . .	—
S. H. Howe Diamond A,	140	Shoes,	Good, . . .	75	75	None, . . .	—
John A. Frye,	300	Boots and shoes,	Good, . . .	175	175	None, . . .	—
S. H. Howe,	300	Shoes,	Good, . . .	175	175	None, . . .	—
S. H. Howe Shoe Co.,	420	Shoes,	Good, . . .	180	180	None, . . .	—

DISTRICT NO. 2 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
MARLBOROUGH — Concluded.								
Elma Loring, . . .	Leather remnants,	9	1	—	—	Good, .	None, .	—
E. M. Low, . . .	Paper boxes, .	6	21	—	2	Good, .	None, .	—
E. C. Lincoln, . .	Shirts, . . .	1	3	—	—	Good, .	None, .	—
DeWolfe & Bagnell, . . .	Shoes, . . .	3	2	—	—	Good, .	None, .	—
Frank & Duston, . . .	Paper boxes, .	16	37	—	10	Good, .	None, .	—
MILFORD.								
Coburn, Fuller & Co., . .	Shoes, . . .	185	90	—	1	Good, .	None, .	—
Milford Shoe Co. No. 1,	Shoes, . . .	100	54	—	2	Good, .	None, .	—
Milford Shoe Co. No. 2,	Shoes, . . .	102	46	—	4	Good, .	None, .	—
Greene Bros., . . .	Heels, . . .	65	50	—	5	Good, .	None, .	—
Eastman & Hobart, . . .	Paper boxes, .	6	19	—	2	Good, .	None, .	—
Clapp, Huckins & Temple, .	Shoes, . . .	265	125	—	7	Good, .	None, .	—
Lilley & Co, . . .	Needles, . . .	3	5	—	1	Good, .	Certificate for minor, .	Complied.
James S. Kelley, . . .	Shoes, . . .	9	3	—	—	Good, .	Post time notice, .	Complied.
Milford Electric Light Co., .	Electric light, .	3	—	—	—	Good, .	None, .	—
James S. Kelley, . . .	Shoes, . . .	15	3	—	—	Good, .	None, .	—
T. P. Wilkinson, . . .	Straw goods, .	25	75	—	—	Good, .	Post time notice, .	Complied.
H. B. Spaulding, . . .	Straw goods, .	90	160	—	—	Good, .	Post time notice, .	Complied.
MEDWAY.								
Medway Boot & Shoe Co., . .	Boots & shoes, .	147	36	—	4	Good, .	Post time notice, .	Complied.

DISTRICT No. 2 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		NUMBER EMPLOYED.			Females.			
		Males.	Under 14.	14 to 16.				
NATICK — <i>Concluded.</i>								
People's Steam Laundry, . . .	Laundry, . . .	2	7	—	Good, . . .	None, . . .	. . .	—
American Hand Laundry, . . .	Laundry, . . .	1	5	—	Good, . . .	None, . . .	. . .	—
N. Bartlett & Son, . . .	Shoes, . . .	36	4	—	Good, . . .	Post time notice, . . .	. . .	Complied.
E. Edwards, . . .	Shirts, . . .	2	38	—	Good, . . .	None,	
Littlefield & Robbins, . . .	Shoes, . . .	19	5	—	Good, . . .	None,	
Brennan, Nutt & Co., . . .	Shoes, . . .	54	6	—	Good, . . .	None,	
Johnson, Dale & Aldrich, . . .	Shoes, . . .	122	18	—	Good, . . .	None, . . .	. . .	—
Driscoll & Eaton Manuf'g Co., . . .	Boots and shoes, . . .	83	17	—	Good, . . .	None, . . .	. . .	—
J. A. D. Mills, . . .	Shirts, . . .	—	14	—	Good, . . .	None, . . .	. . .	—
Estate P. T. Doherty, . . .	Heel stock, . . .	5	15	—	Good, . . .	None, . . .	. . .	Complied.
Natick Review, . . .	Publishing, . . .	1	2	—	Good, . . .	Post time notice,	
Wm. F. Pfeiffer, . . .	Shoes, . . .	51	4	—	Good, . . .	Post time notice,	
Edward Dowd, Jr., . . .	Shoes, . . .	14	—	—	Good, . . .	None,	
John Schrieder, . . .	Shoes, . . .	15	—	—	Good, . . .	None, . . .	. . .	—
J. W. Walcott & Co., . . .	Boots and shoes, . . .	85	15	—	Good, . . .	None, . . .	. . .	—
SOUTHBOROUGH.								
Cordaville Woollen Co., . . .	Woollen blankets, . . .	32	38	—	Fair, . . .	None, . . .	. . .	—
WELLESLEY.								
Billings & Clapp, . . .	Chemicals, . . .	6	1	—	Good, . . .	None, . . .	. . .	—
R. F. Sullivan, . . .	Shoddy, . . .	18	12	—	Good, . . .	None, . . .	. . .	—

REPORT OF INSPECTOR MULLEN.

SIR: — In accordance with the previous custom of this department, to submit a written report, together with a tabulated statement, relative to the district under my supervision, I can add but little that is new to what is contained in my last report appertaining to the results of observations of the workings of the factory inspection laws and my efforts toward their enforcement.

There is no change of a radical nature to comment upon. A very general progress has been made and many important improvements have occurred. Having carefully looked over the ground of inspection, I am convinced that laws relating thereto and factory inspectors will never cease to be required. The constant adherence to the observance of the statutes made and provided becomes more and more important, and a benefit to the employees.

The law relating to child labor having been carefully observed, I am satisfied is being better carried out, from the fact that the children themselves become aware of the necessity of procuring certificates upon presenting their application for employment.

The evening school law has heretofore worked quite satisfactorily, and there seems to be an incentive upon the part of those desiring to be benefited to take advantage of the opportunity presented.

The law providing for the posting of time tables regulating the hours of labor has been complied with, and in but few instances has there been shown any inclination to evade it. The reason of neglect has been on account of not exactly understanding the statute relating thereto.

No complaints have been made of working overtime, and there seems to be an adherence to the law upon the part of employers.

The matter of guarding machinery, hoistways, hatchways, elevators, etc., has been complied with whenever required. The recent inventions in machinery, of safeguards attached thereto, renders it unnecessary to give orders for the guarding of the same, and the most dangerous portions are guarded before delivery.

I have found no cases of the locking of doors during the hours of labor, so as to prevent free egress of the employees.

In but few instances has it been necessary to require additional water-closets in workshops, because of the fact that the law is better understood than heretofore.

In relation to the ventilation of the various establishments visited, I have found that the appliances have been adequate.

In the matter of elevators I find a decided change, especially in regard to employees having charge of the same. The tendency has been to employ those who are of an age over that prescribed by law. No accidents have occurred in my district on account of carelessness on the part of those having elevators in charge. As it comes to be understood that a great responsibility is attached to the running of elevators (especially passenger), it is realized that it is a most important matter that the safety of life and limb should be paramount above all other things.

Wherever I have visited there has been accorded every courtesy and attention, to aid me in the discharge of my duties.

DISTRICT No. 3, ISAAC S. MULLEN, Inspector.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.			
				14 to 16.			
BOSTON.							
S. Schendell,	Cigars, . .	4	12	—	Fair,	None,	—
N. W. Lynch,	Cigars, . .	2	1	—	Fair,	Post time notice,	Complied.
James Doyle,	Cigars, . .	4	—	—	Fair,	None,	—
J. T. Whalen & Co ,	Engraving,	7	6	—	Fair,	None,	—
Benj. Levin, . .	Cigars, . .	4	1	—	Fair,	Post time notice,	Complied.
Max Wiseman, . .	Cigars, . .	3	1	—	Fair,	Post time notice,	Complied.
George W. Dickerman,	Paper boxes,	59	66	—	Fair,	None,	—
D. Abrams, . .	Cigars, . .	2	—	—	Fair,	None,	—
G. W Bent & Co.,	Mattresses,	15	5	—	Fair,	Post time notice,	Complied.
Houghton & Dutton,	Candy, . .	9	2	—	Good,	None,	—
C. A. Shrouds & Co.,	Feather goods,	3	20	—	Good,	None,	—
J. T. Hodge & Co.,	Corks, . .	7	12	—	Good,	Post time notice; provide water-closet.	Complied.
Henry Fraiser & Co.,	Cigars, . .	40	28	—	Good,	None,	—
Alles & Fisher, . .	Cigars, . .	135	40	—	Good,	None,	—
S. Grymish, . .	Cigars, . .	14	4	—	Fair,	Post time notice,	Complied.
W. F. Schrafft,	Candy, . .	11	17	—	Good,	Post time notice,	Complied.
Paine's Furniture Co.,	Furniture,	39	6	—	Good,	Post time notice,	Complied.
Goldsmith, Silver & Co.,	Cigars, . .	70	30	—	Good,	Post time notice,	Complied.
John A. Mullaney,	Rags, . .	70	3	—	Fair,	Post time notice,	Complied.
John F. Shea & Sons,	Shoes, . .	12	3	—	Fair,	Post time notice,	Complied.
H & G. W. Lord,	Twine, . .	100	120	—	Good,	None,	—

I. W. Wheeler & Co.,	Awnings,	15	9	—	Good,	Post time notice,	Complied.
Forbes & Heywood,	Candy,	80	120	—	Good,	None,	—
McDonald Candy Co.,	Candy,	20	58	—	Good,	None,	—
Exchange Building (Basement),	Electricity,	4	—	—	Good,	Guard fan and fly-wheels of dynamos,	Complied.
Waitt & Bond,	Cigars,	250	75	—	Good,	None,	—
Boston Candy Co.,	Candy,	3	—	—	Fair,	None,	—
Bent & Co.,	Mattresses,	4	6	—	Fair,	None,	—
L. C. Taylor,	Dressmaking,	—	6	—	Fair,	Post time notice,	Complied.
Murphy & Durgin,	Brushes,	25	20	—	Fair,	None,	—
James McCann,	Corks,	2	8	—	Fair,	None,	—
Henry J. Levy,	Cigars,	3	7	—	Fair,	None,	—
McDonough & Co.,	Showcards,	4	—	—	Fair,	None,	—
B. F. Brown & Co.,	Blacking,	5	30	—	Fair,	None,	—
A. Leavett,	Woodwork,	4	—	—	Fair,	None,	—
Tapely Machine Co.,	Machinery,	18	—	—	Fair,	None,	—
National Electric Co.,	Electric,	9	3	—	Fair,	None,	—
O. Hern & Co.,	Drugs,	5	3	—	Fair,	None,	—
W. C. Pratt,	Machinery,	4	—	—	Fair,	None,	—
J. E. Gill,	Harness,	9	—	—	Fair,	None,	—
J. S. Mason,	Iron plates,	5	—	—	Fair,	None,	—
Lewis Basil,	Brass,	6	—	—	Fair,	None,	—
Joseph Measures,	Brass,	8	—	—	Fair,	None,	—
A. N. Stewart,	Leather,	6	—	—	Fair,	None,	—
J. W. Savage,	Bedsprings,	5	—	—	Fair,	None,	—
Jacobs Bros.,	Stencils,	5	—	—	Fair,	None,	—
J. Banker,	Cigars,	10	3	—	Fair,	None,	—
H. H. Carter,	Stationery,	2	6	—	Bad,	Post time notice,	Complied.
Leopold Morse & Co.,	Clothing,	55	5	—	Good,	Provide water-closet,	Complied.
Eagle Wrapper Co.,	Wrappers,	3	6	—	Fair,	None,	—
L. Amson,	Ladies' wrappers,	1	6	—	Fair,	Post time notice,	Complied.
				—		Provide light for water-closet; post time table.	Complied.

DISTRICT NO. 3 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
BOSTON — Concluded.									
M. Pass,	Ladies' wrappers,	—	6	—	Fair, .	Post time table,	•	Complied.	
Empire Shirt Co.,	Shirts,	2	5	—	Fair, .	Post time table,	•	Complied.	
Park Manufacturing Co., . .	Inspirators,	9	—	—	Fair, .	None, .	•	—	
Peck Bros.,	Printing,	3	6	—	Fair, .	None, .	•	—	
F. Weber,	Rope,	12	—	—	Good, .	None, .	•	—	
Tri-Mountain Cigar Co., . .	Cigars,	48	12	—	Good, .	Post time tables,	•	Complied.	
Thos. H. Smith,	Sails,	4	—	—	Fair, .	None, .	•	—	
B. F. Brown,	Blacking,	10	50	—	Good, .	None, .	•	—	
H. M. Richards,	Jewelry,	30	20	—	Good, .	None, .	•	—	
Pacios & Ricco,	Cigars,	5	3	—	Fair, .	None, .	•	—	
Manuel Caro,	Cigars,	6	—	—	Fair, .	None, .	•	—	
Chard & Davis,	Cigars,	6	4	—	Fair, .	None, .	•	—	
A. W. Wheeler & Co., . . .	Curled hair,	6	4	—	Good, .	None, .	•	—	
John Holman & Co.,	Bedding,	12	10	—	Good, .	None, .	•	—	
E. S. Cabot,	Gold leaf,	6	8	—	Good, .	None, .	•	—	
Kimball Shoe Manufacturing Co,	Shoes,	12	9	—	Good, .	None, .	•	—	
M. A. Whalen,	Awnings,	1	2	—	Fair, .	None, .	•	—	
W. D. B. Davis,	Paper boxes,	4	3	—	Good, .	None, .	•	—	
Glover & Willcomb,	Bedding,	7	2	—	Fair, .	None, .	•	—	
Goldsmith, Silver & Co., . .	Cigars,	150	25	—	Good, .	None, .	•	—	
E. T. Pierce,	Chairs,	14	—	—	Fair, .	None, .	•	—	
Alex Hill,	Mattresses,	6	10	—	Fair, .	None, .	•	—	
Boston Rubber Shoe Co., . .	Shoes,	25	—	—	Good, .	None, .	•	—	

WATERTOWN.									
G. G. Davidson, . . .	Shirts, . . .	1	3	-	Good, .	Provide water-closet ; post time table,	Complied.		
Metropolitan Laundry, . .	Various, . . .	15	60	-	Good, .	Post time table, . . .	Complied.		
Elm City Manufacturing Co., .	Shirts and wrap- pers.	10	30	-	Good, .	Post time table, . . .	Complied.		
Simons, Hatch & Whitten, .	Shirts and wrap- pers.	3	93	-	Good, .	Post time table, . . .	Complied.		
Union Paper Bag Co., . .	Paper bags, . .	50	50	-	Good, .	None, . . .	-		
Lewando & Co., . . .	Dyeing, . . .	50	150	-	Good, .	None, . . .	-		
Haddon & Batchelder, . .	Stitching machines, .	8	1	-	Fair, .	Guard pulley on second floor, .	Complied.		
Walker & Pratt Manuf'g Co.,	Stoves, . . .	125	-	-	Good, .	None, . . .	-		
Porter & Co., . . .	Bobbins, . . .	49	1	-	Fair, .	None, . . .	-		
Porter Shuttle & Bobbin Co ,	Shuttle machinery, .	14	1	-	Good, .	None, . . .	-		
The Warren Soap Co., . .	Soap, . . .	16	-	-	Fair, .	None, . . .	-		
H. Barker, . . .	Starch, . . .	16	-	-	Fair, .	None, . . .	-		
Campbell Electric Supply Co.,	Insulated wire, . .	11	4	-	Good, .	Provide water-closet ; post time table,	Complied.		
John Rallston, . . .	Window shades, . .	12	-	-	Good, .	None, . . .	-		
Govt. Waterproof Paint Co.,	Paint, . . .	5	-	-	Fair, .	None, . . .	-		
Thos. Dalby, . . .	Knit goods, . . .	5	40	-	Good, .	Post time table, . . .	Complied.		
Crystal Spring Manuf'g Co.,	Starch, . . .	16	-	-	Fair, .	None, . . .	-		
Shirley Manufacturing Co.,	Dress goods, . . .	40	35	-	Good, .	Certificates for children ; post time table.	Complied.		
Ætna Mills, . . .	Cotton, . . .	60	180	-	Good, .	None, . . .	-		
H. Barker & Co., . . .	Starch, . . .	10	-	-	Fair, .	None, . . .	-		
Stanley Dry Plate Co., . .	Dry plates, . . .	8	4	-	Good, .	Guard elevator well ; post time table,	Complied.		
NEWTON.									
Newton Silk mills, . . .	Silk, . . .	60	120	-	Good, .	None, . . .	-		
The Gamwell Fire-alarm Tele- graph Co.	Wire, . . .	120	-	-	Good, .	None, . . .	-		
Pettit Machine Shop, . . .	Machinery, . . .	160	-	-	Good, .	None, . . .	-		

REPORT OF INSPECTOR SILLARS.

SIR : — According to the rules and regulations of the department, I submit herewith a tabulated report of the inspections made by me during the year 1894.

The following changes in my list of factories and workshops have taken place : thirty new factories and workshops have been added and nineteen have removed or gone out of business in this district.

There has been but one complaint of violation of fifty-eight-hour law, and upon investigation that was found to be groundless.

Several orders have been given to guard machinery, etc. New machines are constantly being added ; changes in the positions of machines from one part of a factory to another are frequently made ; shafting, belts, pulleys, etc., are often taken down and re-arranged. Although orders to guard machinery have been generally complied with, it has been often found that some new machine or change in location of old ones had necessitated new orders being given.

The few elevators in my district have been carefully inspected and generally found in good order.

There has been but one fatal accident. Several minor accidents were investigated. I find that manufacturers generally do not know that they are required to report accidents.

Sanitary appliances need careful looking after. In all new factories they are generally good.

No outside doors have been found locked.

Women operatives are provided with seats, and when their work will permit are allowed to sit down.

Time tables are usually found posted ; often, however, they are torn down or mutilated by something being thrown or pushed against them.

Ventilation of factories and workshops was found fairly good. Exhaust fans are usually found in all woodworking factories.

I have received from both manufacturers and workmen uniform courtesy and kindness, and they have all been ready to assist me in the performance of my duties. I find that all feel that the inspections of factories and workshops, as provided by law, has been, under your guidance, a boon to both the manufacturers and the workmen.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
BOSTON.									
F. B. Foster & Co.,	Iron castings,	75	-	-	Bad,	Clean privy; cover set screws,	Complied.		
Stiles & Winslow,	Morocco leather,	35	-	-	Fair,	Guard engine; cover set screws,	Complied.		
Dodge Iron Foundry Co.,	Iron castings,	12	-	-	Fair,	Guard elevator; cover set screws,	Complied.		
Bernstein Electric Co.,	Electric supplies,	37	63	-	Fair,	None,	-		
Hollis Manufacturing Co.,	Suspenders,	5	8	-	Fair,	Post time table; cover set screws, designate water-closets,	*		
Walworth Manufacturing Co.,	Iron and brass fittings.	425	-	-	Fair,	Cover set screws; guard couplings,	Complied.		
Sutherland & Ogden,	Files,	7	-	-	Fair,	None,	-		
Geo. Lawley & Son Corporation,	Yachts,	70	-	-	Fair,	None,	-		
L. H. Daloz,	Dye house,	4	18	-	Good,	None,	-		
John Souther & Co.,	Excavators,	8	-	-	Fair,	Guard couplings and set screws,	Complied.		
Hamberger Bros.,	Rags,	20	25	-	Fair,	Cover set screws,	Complied.		
Peirce & Son,	Shoes,	100	50	-	Good,	None,	-		
New England Soap Co.,	Soap,	4	-	-	Poor,	Clean water-closet,	Complied.		
Chace & Co. Corporation,	Candy,	100	50	-	Good,	None,	-		
Brooklyn Cooperage Co.,	Barrels,	140	-	-	Bad,	Clean privy,	Complied.		
H. Gore & Co.,	Asphalt paving,	12	-	-	Fair,	None,	-		
Rochester Brewing Co.,	Lager beer,	8	2	-	Fair,	Repair women's water-closet,	Complied.		
Eagle Extract Co.,	Extracts,	9	6	-	Fair,	None,	-		

* Closing up business.

DISTRICT NO. 4—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Females.			Males.				
		Under 14.	14 to 16.	16 to 18.					
BOSTON — Continued.									
Herbert Bradly & Co.,	Bedsteads,	5	1	—	—	Fair,	None,	Complied.	
Boston Plate Glass and Window Co.	Glass,	75	—	—	4	Good,	Cover set screws,	Complied.	
Suffolk Brewing Co.,	Beer,	33	—	—	—	Fair,	Rail in large belt; guard machinery,	Complied.	
Alfred Hale & Co.,	Rubber goods,	8	—	—	—	Fair,	Guard coupling,	Complied.	
National Plaster Co.,	Plasters,	2	—	—	—	Fair,	None,	Complied.	
Frank L. Young & Co.,	Fish oil,	8	—	—	—	Fair,	None,	Complied.	
Frank Jones Brewing Co.,	Beer,	45	—	—	—	Fair,	Guard stairways by rail,	Complied.	
New England Adamant Co.,	Adamant wall plaster.	9	—	—	—	Fair,	Guard fly-wheel,	Complied.	
Thomas Milay & Sons,	Carriages,	20	—	—	—	Fair,	None,	Complied.	
Murray & Tregather,	Machinery,	8	—	—	—	Fair,	None,	Complied.	
Electric Heat Alarm Co.,	Fire alarms,	5	—	—	—	Fair,	None,	Complied.	
George K. Swazey,	Roving cans,	2	—	—	—	Fair,	None,	Complied.	
Robert Bishop,	Cotton waste,	65	85	—	—	Bad,	Additional water-closet; cover set screws; guard elevator; post time table.	Complied.	
Bay State Belting Co.,	Belts,	9	—	—	—	Fair,	None,	Complied.	
Moore & Wyman,	Elevators,	26	—	—	—	Good,	None,	Complied.	
James Kilner,	Files,	3	—	—	—	Fair,	None,	Complied.	
New England Telephone Co.,	Telephone,	20	—	—	—	Good,	None,	Complied.	

New England Telephone & Telegraph Co.	Supplies,	16	-	-	Good,	None,	.	.	.	.	.	.	.
American Bell Telephone,	Laboratory,	42	-	-	Good,	Cover set screws,	.	.	.	.	.	.	Complied.
Cunningham Iron Works Co.,	Boilers,	16	-	-	Fair,	None,	.	.	.	.	.	.	-
Lally Bros.,	Carriage work,	10	-	-	Fair,	None,	.	.	.	.	.	.	-
E. P. Barrett Manufacturing Co.,	Metals,	4	-	-	Fair,	None,	.	.	.	.	.	.	-
Sweatt & Chace,	Brass foundry,	15	-	-	Fair,	None,	.	.	.	.	.	.	Complied.
Boston Fire-brick Co.,	Terra cotta,	96	-	-	Fair,	Guard main belt; cover set screws; guard crusher.	.	.	.	.	.	.	Complied.
William H. Grouby,	Faience work,	10	2	-	Good,	None,	.	.	.	.	.	.	-
Shales & May,	Furniture,	45	-	-	Good,	Cover set screws,	.	.	.	.	.	.	Complied.
R. S. Hotchkiss,	Bundle wood,	9	-	-	Poor,	Clean and repair privy; cover coupling and set screws.	.	.	.	.	.	.	Complied.
Bay View Kindling Wood Co.,	Bundle wood,	6	-	-	Poor,	Provide privy; guard belt and circular saw.	.	.	.	.	.	.	Complied.
Mary A. Mansell,	Laundry,	2	7	-	Poor,	Provide privy; post time table,	.	.	.	.	.	.	Complied.
D. H. Gear & Son,	Beeswax,	6	6	-	Poor,	Provide privy for women; procure certificate; post time table.	.	.	.	.	.	.	Complied.
Stephen W. Hoppe,	Cigars,	1	8	-	Fair,	Post time table,	.	.	.	.	.	.	Complied.
Boston Beer Co.,	Beer,	35	-	-	Fair,	Cover set screws,	.	.	.	.	.	.	Complied.
Adams Bros.,	Cotton waste,	5	13	-	Fair,	Remove broken pulley; box belt; post time table; cover set screws.	.	.	.	.	.	.	Complied.
S. A. Woods Machine Co.,	Machinery,	97	-	-	Fair,	None,	.	.	.	.	.	.	-
N. Harlan & Co.,	Bottlers,	15	-	-	Fair,	Post time table,	.	.	.	.	.	.	Complied.
South Boston Gas Light Co.,	Gas,	6	-	-	Fair,	None,	.	.	.	.	.	.	-
J. O. Hyman,	Cigars,	2	1	-	Fair,	None,	.	.	.	.	.	.	-
A. K. Richmond & Son,	Derricks,	3	-	-	Fair,	None,	.	.	.	.	.	.	-
J. T. Waitt,	Stairs,	4	-	-	Fair,	Guard hoistway; cover set screws,	.	.	.	.	.	.	Complied.
A. J. Gustin,	Columns,	2	-	-	Fair,	None,	.	.	.	.	.	.	-
Crystal Laundry,	Laundry,	4	-	-	Fair,	Post time table,	.	.	.	.	.	.	Complied.
Boston Button Co.,	Buttons,	30	120	-	Good,	None,	.	.	.	.	.	.	-

DISTRICT NO. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
BOSTON — Continued.								
"South Boston Review,"	Newspaper, .	1	2	1	Fair, .	Procure certificate, .	Complied.	
R. S. Graves, .	Painting, .	3	—	—	Fair, .	None, .	—	
Henry R. Stevens, .	Washing powder, .	1	9	—	Good, .	None, .	—	
Whittier Machine Co., .	Elevators, .	125	—	—	Good, .	None, .	—	
Standard Sugar Refinery Co.,	Sugar, .	600	—	—	Fair, .	None, .	—	
Continental Sugar Refinery,	Sugar, .	125	—	—	Fair, .	Guard main belt; cover set screws,	Complied.	
D. Eddy & Sons, .	Refrigerators, .	40	—	—	Bad, .	Empty privy vault; re-hang door, .	Complied.	
Beacon Lithograph Co.,	Lithographs, .	74	10	—	Good, .	Guard engine, .	Complied.	
J. J. Breach, .	Machine work, .	2	—	—	Fair, .	None, .	—	
C. E. Cummings, .	Cabinet work, .	40	—	—	Fair, .	Guard band saw, .	Complied.	
"Dorchester Beacon," .	Newspaper, .	8	5	—	Fair, .	None, .	—	
A. T. Stearns Lumber Co., .	Lumber, .	150	—	1	Good, .	Box re-saw; guard irregular moulder; cover set screws.	Complied.	
Eagle Paper Co., .	Paper, .	44	15	—	Good, .	Cover gears and set screws, .	Complied.	
Mason Regulator Co., .	Steam pumps, .	20	—	—	Good, .	None, .	—	
Coffin Valve Co., .	Valves, .	30	—	—	Fair, .	None, .	—	
W. B. Clement, .	Candy, .	1	2	—	Fair, .	None, .	—	
Putnam Nail Co., .	Horseshoe nails, .	159	137	—	Fair, .	Cover set screws, .	Complied.	
Dorchester Manufacturing Co.,	Folding beds, .	9	—	—	Fair, .	Guard irregular moulder; cover band saw; guard gears on planer.	Complied.	
Bay State Gas Co.,	Gas, .	55	—	—	Fair, .	Guard belts between engines, .	Complied.	
Walter Baker & Co., .	Chocolate, .	100	100	—	Good, .	None, .	—	

Potter & Wrightington,	Canned goods,	6	34	—	—	Poor,	Clean men's closet; post time table; guard engine; cover set screws.	Complied.
Oriental Brass Foundry,	Brass castings,	9	—	—	—	Fair,	None,	—
W. O. Farmer,	Repairing furniture.	1	—	—	—	Fair,	Box belt,	Complied.
Penoharp Co.,	Penoharps,	15	—	—	—	Fair,	Cover set screws,	Complied.
Laskey & Brown,	Cabinet work,	5	—	—	—	Fair,	Rail on stairs; guard machinery,	Complied.
F. O. Vegehorn,	Parlor sets,	3	—	—	—	Fair,	None,	—
Alexander McLaurin,	Lumber,	20	—	—	—	Fair,	Guard belt and band saw; cover set screws.	Complied.
Joyce & Vessey,	Stairs,	4	—	—	—	Fair,	Guard couplings and band saw,	Complied.
Wood Bros.,	Boats,	4	—	—	—	Fair,	None,	—
Bardwell & Anderson,	Tables,	100	—	—	—	Fair,	Provide escape from fifth floor,	Complied.
Ambrose Martin,	Boats,	4	—	—	—	Fair,	None,	—
New England Pottery Co.,	Pottery,	49	11	—	—	Fair,	Post time tables,	Complied.
Steel Cable Engineer Co.,	Steel cables,	10	—	—	—	Good,	Guard main belt and machinery,	Complied.
Wm. H. Swift & Co.,	Chemicals,	16	—	—	—	Fair,	None,	—
Jewett Lumber Co.,	Lumber,	220	—	—	—	Fair,	Box band saw; guard machinery,	Complied.
N. Y. & Boston Dyewood Co.,	Dyewood extracts,	60	—	—	—	Fair,	None,	—
Geo. Lanesboro,	Carriages,	10	—	—	—	Fair,	None,	—
Benj. W. Clisby,	Painting,	6	—	—	—	Fair,	None,	—
C. P. Whittle,	Furniture,	24	—	—	—	Poor,	Guard hoistway; clean privy; guard band saw.	Complied.
Bay State Packing Co.,	Fish,	16	—	—	—	Fair,	None,	—
Boston Forge Co.,	Axles,	40	—	—	—	Fair,	Guard machinery,	Complied.
J. B. Houke & Co.,	Bottling,	10	—	—	—	Fair,	None,	—
Wm. S. Pratt,	Whiting,	11	—	—	—	Fair,	Guard stairway and machinery,	Complied.
Ultsch, Kottch & Co.,	Bottling,	6	—	—	—	Good,	None,	—
James Gurney & Co.,	Heaters,	130	—	—	—	Fair,	Guard machinery,	Complied.
Dee Folding Bed Co.,	Folding beds,	15	—	—	—	Poor,	Guard machinery,	Complied.
H. B. Emons,	Lumber,	7	—	—	—	Poor,	Empty privy for all factory tenants,	Complied.

DISTRICT NO. 4—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
BOSTON — <i>Concluded.</i>								
E. Hodge & Co.,	Boilers,	56	—	—	Fair,	Post time table; guard machinery,	Complied.	
N. E. Mantel Co.,	Mantels,	11	—	—	Poor,	Connect exhaust pipe; guard ma- chinery.	Complied.	
Jackson & Pert,	Mantels,	8	—	—	Poor,	Guard belt,	Complied.	
U. S. Manufacturing Co.,	Firearms,	40	—	1	Fair,	Post time table,	Complied.	
Foster Pencil Sharpener Co.,	Pencil sharpeners,	3	1	—	Fair,	Post time table,	Complied.	
Luigi Lauri,	Macaroni,	5	2	—	Fair,	Post time table,	Complied.	
John A. McKie,	Shipwrights,	20	—	—	Fair,	None,	—	
Orpin Bros.,	Desks,	60	—	—	Fair,	Guard machinery,	Complied.	
H. Johnson,	Wood kindling,	1	—	1	Fair,	School certificate; post time table; guard machinery.	Complied.	
Phila. & Boston Face Brick Co.,	Face-brick,	50	—	1	Fair,	Guard belts; rail around crusher; post time table; guard machinery.	Complied.	
U. S. Baking Co.,	Crackers,	69	67	—	Good,	Cover set screws,	Complied.	
Davidson Rubber Co.,	Rubber goods,	60	65	1	Good,	None,	—	
Cutter & Cutter,	Trunks,	27	8	—	Fair,	Post time table,	Complied.	
Barrett & Bros.,	Dye house,	25	30	—	Fair,	None,	—	
S. Wing & Co.,	Photograph goods,	5	2	—	Fair,	Post time table,	Complied.	
Powers & Co.,	Grinding corn,	6	—	—	Fair,	Guard large gear; guard belt; cover set screws	Complied.	
Stickney & Poor Spice Co.,	Spices,	25	25	—	Good,	Cover set screw,	Complied.	
Crosby Steam Gage & Valve Co.,	Steam gauges,	98	6	2	Good,	None,	—	

Nash Manufacturing Co.,	Toys, . . .	2	3	—	1	Fair, . . .	None, . . .	—	Complied.
Chapin, Trull & Co.,	Rum, . . .	8	—	—	—	Good, . . .	None, . . .	—	—
Geo. G. Fox & Co.,	Pies, . . .	45	5	—	—	Fair, . . .	None, . . .	—	—
Galen M. Bowditch,	Wagons, . . .	7	—	—	—	Fair, . . .	None, . . .	—	—
Charles F. Baker & Co.,	Nails, . . .	16	7	—	—	Fair, . . .	None, . . .	—	—
A. G. Van Nostrand,	Beer, . . .	105	—	—	—	Fair, . . .	Guard stairway and window; cover set screws.	—	Complied.
Rand & Byam,	Soap, . . .	12	—	—	2	Fair, . . .	None, . . .	—	—
National Mahogany & Cedar Co.,	Lumber, . . .	50	—	—	—	Fair, . . .	Guard band saw, belt and machinery,	—	Complied.
Rand & Steinhart,	Newspaper, . . .	4	—	—	—	Fair, . . .	None, . . .	—	—
John J. O'Callahan,	Newspaper, . . .	1	2	—	—	Fair, . . .	None, . . .	—	—
James G. Albee,	Printing, . . .	4	—	—	—	Fair, . . .	None, . . .	—	—
W. W. Ritch,	Printing, . . .	8	—	—	1	Good, . . .	None, . . .	—	—
O. P. Brown,	Trunks, . . .	3	—	—	—	Fair, . . .	None, . . .	—	—
India Exhaust Co.,	Dye extracts, . . .	4	—	—	—	Good, . . .	Guard crank of fly-wheel,	—	Complied.
Hatch & Farmer,	Furniture, . . .	12	—	—	—	Fair, . . .	None, . . .	—	—
D'Este, Seeley & Co.,	Brass work, . . .	39	—	—	2	Good, . . .	Two certificates; cover set screws; exhaust fan in polishing room.	—	Complied.
CHELSEA.									
A. L. Haskell & Son,	Mattresses, . . .	19	7	—	1	Good, . . .	None, . . .	—	—
T. Martin & Bro., Manufacturing Co., Department "A."	Elastic webbing, . . .	20	155	—	—	Good, . . .	Guard elevator door,	—	Complied.
H. C. Starkey & Sons,	Elastic webbing, . . .	—	9	—	—	Good, . . .	Post time table,	—	Complied.
Hub Gore Co.,	Shoe webbing, . . .	55	25	—	2	Good, . . .	Guard machinery,	—	Complied.
T. Martin & Bro., Department "B."	Elastic webbing, . . .	15	75	—	8	Good, . . .	None, . . .	—	—
Sawyer Crystal Blue Co.,	Blueing, . . .	9	6	—	1	Fair, . . .	Certificate for one; post time table,	—	Complied.
James H. Falkins & Co.,	Extracts, . . .	3	—	—	1	Fair, . . .	Certificate for one; post time table,	—	Complied.
Am. Circular Loom Co.,	Flexible conduits, . . .	7	21	—	—	Fair, . . .	Guard gears; cover set screws; post time table.	—	Complied.
Chelsea Wire Fabric Rubber Co.,	Rubber goods, . . .	40	—	—	—	Fair, . . .	Guard gears on calendar,	—	Complied.
Low Art Tile Co.,	Art tiles, . . .	38	3	—	—	Fair, . . .	Post time table,	—	Complied.

DISTRICT No 4—*Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CHELSEA — Concluded.								
Walker Bros., . . .	Dyeing, . . . and	8	—	—	—	Fair, . . .	None, . . .	—
S. K. Lovewell & Co., . . .	Machinery castings.	35	—	—	—	Fair, . . .	Post time table, . . .	Complied.
D. & L. Slade Co., . . .	Spices, . . .	8	6	—	—	Good, . . .	None, . . .	—
Chelsea Gas Light Co., . . .	Gas, . . .	13	—	—	—	Fair, . . .	None, . . .	—
Geo. A. Drysdale, . . .	Iron bedsteads, . . .	14	1	—	2	Fair, . . .	Certificate for two; post time table, . . .	Complied.
Standard Elastic Fabric Co., . . .	Elastic webbing, . . .	3	1	—	1	Fair, . . .	Certificate for one boy, . . .	Complied.
Boston Filter Co., . . .	Filters, . . .	4	—	—	1	Fair, . . .	One certificate; post time table; cover set screws, . . .	Complied.
Austin & Graves, . . .	Crackers, . . .	10	4	—	—	Poor, . . .	Clean men's privy; cover set screws, . . .	Complied.
L. Richardson, . . .	Fish oil, . . .	5	—	—	—	Fair, . . .	None, . . .	—
Massachusetts Electric Supply Co., . . .	Woodwork, . . .	14	—	—	—	Fair, . . .	Guard circular saw, . . .	Complied.
F. B. Parks, . . .	Tin lunch boxes, . . .	1	—	—	—	Fair, . . .	None, . . .	—
A. A. White & Co., . . .	Varnish, . . .	5	—	—	—	Fair, . . .	Cover set screws, . . .	Complied.
United States Foundry Co., . . .	Weights, . . .	35	—	—	—	Fair, . . .	None, . . .	—
Boston Gore & Web Manuf'g Co., . . .	Shoe goring, . . .	15	5	—	—	Good, . . .	Guard fly-wheel; post time tables, . . .	Complied.
Geo. F. Slade, . . .	Cigars, . . .	2	3	—	—	Fair, . . .	None, . . .	—
W. T. Cardy & Sons, . . .	Candy boxes, . . .	8	22	—	—	Good, . . .	None, . . .	—
D. W. Bernard & Son, . . .	Laundry, . . .	1	4	—	—	Fair, . . .	None, . . .	—
Newell Bedding Co., . . .	Mattresses, . . .	6	6	—	—	Fair, . . .	None, . . .	—
Thos. Strahn & Co., . . .	Paper, . . .	24	2	—	1	Fair, . . .	None, . . .	—
Chas. Henry & Son, . . .	Elastic webbing, . . .	2	1	—	—	Fair, . . .	None, . . .	—

"Chelsea Evening Record,"	Newspaper, .	7	2	—	—	Bad, .	Provide privies; post time tables, .	Complied.
Atwood & McManus, .	Boxes, .	25	—	—	—	Fair, .	None, .	—
Henrici Laundry Co., .	Laundry machines, .	6	—	—	—	Fair, .	None, .	—
Collins & Lee, .	Canned fish, .	12	8	—	—	Fair, .	None, .	—
Geo. E. Downs, .	Salt, .	3	—	—	—	Fair, .	None, .	—
Arthur Magoon, .	Morocco leather, .	15	—	—	—	Bad, .	Clean privy; cover set screws, .	Complied.
White, Holean & Co., .	Furniture, .	25	—	—	—	Fair, .	Cover set screws, .	Complied.
T. H. Buck & Co., .	Lumber, .	125	—	—	—	Fair, .	Cover set screws, .	Complied.
P. A. Aunderberg, .	Musical instruments, .	7	—	—	—	Good, .	Certificate for one boy; post time table, .	Complied.
Peter Smith, .	Leather, .	1	—	—	—	Fair, .	None, .	—
J. D. Loftus & Co., .	Fish oil, .	4	—	—	—	Fair, .	None, .	—
Geo. D. Emery, .	Mahogany lumber, .	85	—	—	—	Fair, .	Certificate for three; guard two movable circular saws; cover set screws, .	Complied.
Boston Rubber Co., .	Rubber goods, .	86	95	—	—	Good, .	Certificate for one girl, .	Complied.
Revere Rubber Co., .	Rubber goods, .	506	21	—	—	Good, .	Guard gears on calender; cover set screws, .	Complied.
Magee Furnace Co., .	Stoves, .	275	—	—	—	Fair, .	Post time tables; cover set screws, .	Complied.
REVERE.								
D. & L. Slade Co., .	Grinding spice, .	5	—	—	—	Fair, .	None, .	—
G. D. Dow & Co., .	Soda water, .	30	—	2	—	Fair, .	Guard fly-wheel; box belt; one certificate; post time table, .	Complied.
Boston Fireproofing Co., .	Terra cotta, .	32	—	—	—	Fair, .	Guard gear and large belt, .	Complied.
North Shore Electric Co., .	Electric lights, .	10	—	—	—	Fair, .	None, .	—
Revere Drop Forge Co., .	Machinery, .	6	—	—	—	Fair, .	Cover set screws, .	Complied.
WINTHROP.								
S. Paine & Co., .	Leather, .	16	—	—	—	Fair, .	None, .	—
Geo. C. Standly & Co., .	Doors and sashes, .	4	—	—	—	Fair, .	None, .	—

REPORT OF INSPECTOR BARDWELL.

SIR : — In compliance with your order, I present my report for the inspection year just closing, together with two tabulated statements : one for the work done in District No. 4, up to April 15 ; and the other for District No. 1, to which at that time you transferred me.

Owing to the continued business depression, the same conditions obtained as were noticed last year respecting the employment of children, viz., a disposition to employ minors above the age of sixteen years, because they could be hired at as low prices as younger persons could be had when business was better ; consequently I found only fifty-eight children between the ages of fourteen and sixteen years, and one between thirteen and fourteen.

Another result of poor business has been fewer violations of the fifty-eight-hour law, the exception usually being in the laundries, — not so much that they work more than fifty-eight hours in a week, but their business is such that for one or two days but little can be done, then later in the week they wish to run longer than the section of the law permitting work for a longer period than ten hours a day in order to give one short day in the week allows ; and it is often very difficult to so arrange a time table that they can get their work out when desired.

There was about an average number of orders given for the guarding of machinery, etc. ; but the responsibility for their proper execution has largely rested upon Inspector Sillars, who kindly consented to render me this assistance in connection with his own work in the same district.

That portion of my time given to the inspection of tenement-houses and hotels in District No. 1 has resulted in the issuance of orders for better protection in case of fire, most of which have been promptly complied with. Under the law an inspector may not order better egress to be provided in tenement-houses unless there are ten or more persons lodging above the second story ; and I am finding a larger percentage than usual of houses requiring such ways of egress to be furnished, because of the crowding of families into closer quarters, on account of reduced incomes, sometimes finding as many as six persons sleeping in one room above the second story, with only one narrow stairway, which is liable to be rendered useless as a means of escape in case of fire. It is a pleasure to record that where orders have been given in such cases they usually have been cheerfully complied with, although at considerable expense in some instances, — one in particular, which required

twenty-nine iron balconies and bridges to be placed upon a large tenement block, was carried out without a word of objection upon the part of the owner.

In hotels where the law stipulates that rope fire-escapes must be in all rooms above the ground floor, unless there are other suitable means of egress, it is often found, even where they have been pronounced all right the previous year, that some ropes are gone, — sometimes taken away by guests, or pieces cut out to tie a trunk with, and the rest left hanging on the hook. In one instance the rope was found in the closet of the room, burned in two, having caught fire, evidently, from a lamp directly under it, as it hung at the side of the window. Usually the proprietor believes that his rooms are properly furnished until he visits them with the inspector.

A few of the recent orders for fire-escapes are in process of compliance, but will not be finished in season to designate as “complied” on the tabulated statement.

*Report of Buildings Inspected.*CLASS No. 1, DISTRICT No. 1. HENRY J. BARDWELL, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Acton.		
American House,	No orders.	-
Monument House,	Rope fire-escapes.	-
Windsor Hotel,	Rope fire-escapes.	-
F. R. Knowlton's Factory, . .	No orders.	-
Arlington.		
Arlington House,	Rope fire-escapes,	Complied.
Spy Pond House,	Fire-escape,	In abeyance.
Ayer.		
American House,	Raise rope fire-escapes to five feet from floor; provide one new one.	-
Globe Hotel,	Rope fire-escapes.	-
Taylor House,	Raise rope fire-escapes to five feet from floor; provide three new ones.	-
Union House,	Raise rope fire-escapes to five feet from floor; provide five new ones.	-
Ayer Shoe Factory,	No orders.	-
W. T. Piper's Factory,	No orders.	-
Bedford.		
Bedford House,	Fire-escape and rope fire escapes.	-
Bedford Springs Hotel,	Rope fire escapes; means for extinguishing fire.	Complied.
Cambridge.		
Seavey Manufacturing Co., . .	Repair outside fire-escape and remove obstructions.	Complied.
Geo. F. Blake Manufacturing Co.,	No orders.	-
J. H. Roberts & Company's Factory,	Remove inflammable material from near stairway.	Complied.
American Net & Twine Company's Factory.	Provide better access to fire-escape, .	Complied.
S. G. Bucks' Tenement House, . .	Fire-escape,	Complied.
Boston & Maine Railroad Tenement House.	Fire-escape,	Complied.
Geo. F. Eaton's Tenement House,	Fire-escape,	Complied.
John S. Cresto's Tenement Houses,	Fire-escape,	Complied.
J. H. Mullane's Tenement House, .	Fire-escape; doors cut through, .	Complied.
G. H. Taylor, Agent, Tenement House.	No orders.	-
Leechmere Block,	No orders.	-
W. L. Lockhart's Factory, . .	No orders.	-
C. J. Lane and others' Tenement Block.	No orders.	-
A. H. Davenport's Factory, . .	No orders.	-
Irving & Casson's Factory, . .	Remove obstructions from stairways,	Complied.
A. B. & E. L. Shaw's Factory, .	Provide additional ways of egress; remove obstructions from stairways.	Complied.
A. Anderson's Box Factory, . .	No orders.	-
C. W. H. Moulton's Factory, . .	No orders.	-
F. Conlan's Tenement House, . .	No orders.	-
T. Mullins' Tenement Block, . .	No orders.	-
J. H. Carter's Tenement House, .	Fire-escape,	Complied.
W. C. H. Badger & Co.'s Factory,	No orders.	-
Lamb & Ritchie's Factory, . .	No orders.	-
Harvard Piano Company's Factory,	No orders.	-
Boston Piano Hammer Company's Factory.	No orders.	-
Rideout's Mill,	Fire-escapes,	Complied.
Ivers & Pond Piano Company's Factory.	No orders.	-
T. F. Quinn's Tenement House, .	Fire-escape,	Complied.
F. W. Rogers' Tenement Block, .	Fire-escapes,	Complied.
Hotel Windsor,	No orders.	-
J. Souza's Tenement Block, . .	Fire-escape,	Complied.
A. F. Gurney's Tenement Block, .	Fire-escape,	Complied.
T. Connarty's Tenement House, .	Fire escape,	Complied.
R. C. Rapiers' Lodging House, .	No orders.	-

Report of Buildings Inspected—Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Cambridge—Con.		
J. P. Squire's Factory,	No orders.	-
F. W. Rogers' Tenement House, . .	No orders.	-
J. E. Dennison's Tenement Block,	Fire-escape; doors cut through, .	Complied.
Keeler & Co.'s Factory,	Remove obstructions from stairways,	Complied.
M. Sears' Tenement House,	Fire-escape,	Complied.
E. Needham's Tenement House, . .	Fire escape; door cut through, . .	Complied.
Central House,	No orders.	-
Chelmsford.		
Central House,	Additional rope fire-escapes; repair old ones.	Complied.
Adams House,	No orders.	-
Village Hotel,	Rope fire-escapes.	-
Adams House (No. 2),	No orders.	-
Concord.		
Wright Tavern,	Rope fire-escapes,	Complied.
Thoreau House,	Rope fire-escapes,	Complied.
Bowker's Hotel,	Fire-escape and rope fire-escapes, .	Complied.
Everett.		
Everett House,	No orders.	-
Kingman House,	No orders.	-
Lexington.		
Keeley Institute,	Rope fire-escapes,	Complied.
The Leslie Hotel,	Rope fire-escapes,	Complied.
Russell House,	Rope fire-escapes in four rooms, .	Complied.
Lexington Inn,	Rope fire-escapes,	Complied.
Malden.		
Howard House,	Rope fire-escapes, and extend outside fire-escape.	-
Evelyn House,	Rope fire-escapes.	-
Hotel Malden,	Additional rope fire-escapes, . . .	Complied.
Hotel Victoria,	Additional rope fire-escapes.	-
Medford.		
Mystic House,	Repair rope fire-escapes,	Complied.
Medford House,	Additional rope fire escapes, . . .	Complied.
Teel & Hill's Factory,	Railings to stairways; four rope fire-escapes.	Complied.
Melrose.		
Foster House,	Additional rope fire escapes, and raise old ones five feet from floor.	-
Carter Bros.' Lodging House, . . .	Rope fire-escapes,	Complied.
Clark's Lodging House,	No orders.	-
Pepperell.		
Leighton Bros.' Factory,	No orders.	-
Nashua River Paper Company, . . .	No orders.	-
Hotel Aldine,	Remove obstructions from fire-escape; repair rope fire-escapes and provide two new ones.	-
Prescott House,	No orders.	-
The New Prescott,	Printed directions for rope fire-escapes.	Complied.
Stoneham.		
Hotel Langwood,	Rope fire-escapes; red lights; fire gongs; additional watchman.	Complied.
Hill Cottage,	Rope fire-escapes,	Complied.
Lake View Cottage,	No orders.	-
Grove Cottage,	Rope fire-escapes,	Complied.
Quakers' Hotel,	Rope fire escapes,	Complied.
Ronco's Lodging House,	Rope fire escapes,	Complied.

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Wakefield.		
Crescent House,	New wall fastenings for rope fire-escapes.	Complied.
Centre House,	No orders.	-
Albion House,	Rope fire escapes.	-
Wakefield House,	No orders.	-
McCaskell's Lodging House,	Fire-escape and rope fire-escapes.	-
Winchester.		
Central House,	No orders.	-
Hotel Winchester,	Fire-escape; cut doors through; rope fire-escapes.	Complied.
Woburn.		
Eaton & Co.'s Factory,	Remove steam pipes from stairway,	Complied.
Cottle & Sons' Factory,	No orders.	-
Central House,	Rope fire-escapes; better egress,	Complied.
Woburn Hotel,	No orders.	-
Woburn Steam Laundry,	No orders.	-

*Plans Approved and Changes Recommended.*DISTRICT No. 1. HENRY J. BARDWELL, *Inspector.*

BUILDING	Location.	Changes Recommended.
W. T. Piper's Factory,	Ayer,	No orders.
W. H. Ricker's Apartment House,	Cambridge,	Fire-stops.
J. H. Roberts' Factory,	Cambridge,	No orders.
Harvard Piano Co.'s Factory,	Cambridge,	No orders.
W. G. McLeod's Apartment House,	Cambridge,	No orders.
Irving & Casson's Factory,	Cambridge,	Additional ways of egress.
Cambridge Field Co.'s Apartment House.	Cambridge,	Fire-stops.
H. T. Skelton's Apartment House,	Cambridge,	Fire-stops.
Stephen O. Moxon's Apartment Houses.	Cambridge,	No orders.
J. H. H. McNamee's Block,	Cambridge,	Additional ways of egress.
W. C. Beedle's Apartment House,	Cambridge.	- -
McCullough's Block,	Melrose,	No orders.
W. F. Bennett's Apartment House,	Somerville,	No orders.
Hotel Langwood,	Stoneham,	No orders.
Hotel Crescent,	Wakefield,	No orders.
Hotel Winchester,	Winchester,	No orders.

DISTRICT No. 4,

HENRY J. BARDWELL, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
BOSTON.								
J. C. Storey & Co.,	Tarred paper,	7	—	—	Fair,	None,	—	
Wm. P. Stone & Co.,	Wagons,	20	—	—	Fair,	None,	—	
Towne Manufacturing Co.,	Shoe counters,	20	5	—	Fair,	None,	—	
Henry Hughes,	Shoe counters,	4	1	—	Fair,	None,	—	
City Iron Foundry,	Plumbers' supplies.	20	—	—	Good,	None,	—	
So. Boston Electric Light Station,	Electric light,	6	—	—	Good,	Guard four engines and dynamos,	Complied.	
Old Colony R.R. Wood Repair Shop.	Cars,	12	—	—	Good,	None,	—	
Old Colony R R. Iron Repair Shop,	Locomotive repairs.	100	—	—	Good,	None,	—	
Bowker, Torrey & Co.,	Marble,	16	—	—	Fair,	None,	—	
Thomas Earl,	Soap,	3	—	—	Fair,	None,	—	
L. J. Couch & Co.,	Theatre scenery,	6	—	—	Fair,	None,	—	
S. H. L. Pierce,	House finish,	15	—	—	Fair,	None,	—	
Farwell Bros.,	Bundle wood,	45	—	—	Poor,	Cover set screws; repair privy,	Complied.	
P. Lally & Co.,	Wagons,	10	—	—	Fair,	Guard grindstone belt,	Complied.	
Charles Holmes Estate,	Machinery,	5	—	—	Good,	None,	—	
Henry R. Stevens,	Soap,	4	—	—	Good,	Cover set screws,	Complied.	
Finder's Supply Co.,	Shoe nails,	2	—	—	Fair,	None,	—	
Christopher Wold & Co.,	Machinery,	6	—	—	Fair,	None,	—	

DISTRICT NO. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
BOSTON — Continued.									
T. Hansen, . . .	Machinery, . .	6	—	—	—	Fair, .	None, .	—	
F. D'R. Pell & Co., . .	Bags, . . .	8	11	—	—	Fair, .	None, .	—	
C. L. Hawthaway & Sons, . .	Shoe dressing, .	8	6	—	—	Good, .	Guard fly-wheel and crank; cover set screws; post time table; designate water-closets.	Complied.	
Consolidated Electric Manuf'g Co., .	Electrical goods, .	22	—	—	—	Fair, .	Additional guard for engine; post time tables.	Complied.	
L. Speidel & Co., . .	Lager beer, . .	10	—	—	—	Good, .	None, .	—	
Rachel Isaacs, . . .	Toys, . . .	—	4	—	—	Fair, .	None, .	—	
Wm. Shankland, . .	Dry goods, . .	1	3	—	—	Good, .	None, .	—	
Robertson & Anderson, . .	Dry goods, . .	1	5	—	1	Good, .	None, .	—	
Gabriel B. Levi, . . .	Toys, . . .	—	4	—	—	Good, .	None, .	—	
J. F. & W. H. Falvey, . .	Dry goods, . .	12	18	—	2	Good, .	Post time tables, .	Complied.	
J. M. Sullivan, . . .	Dry goods, . .	2	4	—	—	Fair, .	Post time tables, .	Complied.	
Charles L. Storrs, . . .	Newspaper, . .	2	3	—	—	Bad, .	Post time tables; clean and repair water-closets.	Complied.	
Bulletin Publishing Co., . .	Newspaper, . .	2	3	—	—	Fair, .	None, .	—	
Massachusetts Chemical Co., . .	Varnishes, . .	3	—	—	—	Fair, .	None, .	—	
George Miles, . . .	Boilers, . . .	30	—	—	—	Bad, .	Clean privy, .	Complied.	
Lincoln & Jewett, . . .	Castings, . . .	37	—	—	—	Fair, .	None, .	—	
Robert Harrison, . . .	Carriages, . . .	21	—	—	—	Fair, .	None, .	—	
Johnson & Shaw, . . .	Chemicals, . .	8	—	—	—	Fair, .	Cover set screws, .	Complied.	

N. E. Dredging Co.,	Machines,	8	—	—	Fair,	Cover set screws,	Complied.
Anderson Bros.,	Carriages,	10	—	—	Fair,	None,	Complied.
Smith-Carleton Iron Co.,	Architectural iron work,	59	—	—	Good,	Guard two machines,	Complied.
O. M. Whitman & Co.,	Butter coolers,	5	—	—	Poor,	Cover set screws; repair water-closet,	Complied.
Wade & Coffee,	Carriages,	8	—	—	Good,	None,	—
Boston Shoe Tool Co.,	Shoe tools,	19	—	—	Fair,	Cover set screws,	Complied.
Atlas Stores,	Storage,	14	—	—	Good,	None,	—
Jordan, Marsh & Co.,	Storage,	45	—	—	Good,	None,	—
Joseph S. Williams,	Storage,	6	—	—	Fair,	None,	—
H. A. Williams Manuf'g Co.,	Oilers, etc.,	20	4	—	Good,	None,	—
N. E. Folding Box Co.,	Paper boxes,	7	20	—	Good,	None,	—
Iona Manufacturing Co.,	Electric goods,	12	14	—	Good,	Post time tables; outside doors to be kept unlocked.	Complied.
Charles R. Smith,	Shoes,	8	2	—	Good,	Post time tables; cover set screws; cover gears.	Complied.
J. Russell & Sons,	Boilers,	18	—	—	Fair,	None,	—
Antoine Vincent,	Carriages,	6	—	—	Fair,	None,	—
Broadway Printing House,	Printing,	4	—	—	Fair,	None,	—
H. O. Lothrop & Co.,	Wire ferrules,	14	—	—	Fair,	None,	Complied.
Branley & McSherry,	Wood,	5	—	—	Fair,	Guard fly-wheel and crank,	—
P. F. Burke,	Toe calks,	14	2	—	Fair,	None,	Complied.
John F. Thorp,	Cotton waste,	1	1	—	Fair,	Post time tables,	—
Hoyle & Crane,	Cotton waste,	1	5	—	Fair,	None,	Complied.
Beckers Troy Laundry,	Laundry,	1	—	—	Good,	Certificate for one child; post time tables.	Complied.
Berlo Bros.,	Sausages,	3	—	—	Fair,	None,	—
Hersey Manufacturing Co.,	Water meters,	80	—	—	Good,	Guard engine fly-wheel,	Complied.
Felton & Son,	Rum,	7	—	—	Fair,	None,	—
Compressed Steel Shafting Works,	Shafting,	20	—	—	Fair,	None,	Complied.
Gould & Kirwin,	Vinegar,	3	—	—	Fair,	Post time table,	Complied.

DISTRICT NO. 4—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BOSTON — Continued.								
Hunt-Spiller Manufacturing Co.,	Castings,	35	—	—	Good,	Guard engine,	•	Complied.
Daniel Russell,	Boilers,	15	—	—	Bad,	Provide water-closet,	•	Complied.
Jenney Manufacturing Co.,	Kerosene oil,	18	—	—	Fair,	Cover set screws,	•	Complied.
Eugene Trafton,	House finish,	2	—	—	Fair,	None,	•	—
Union Toe Calk Co.,	Toe calks,	3	—	—	Good,	Cover gears of calk machine,	•	Complied.
O. Sheldon & Co.,	Boats,	12	—	—	Poor,	Clean privy,	•	Complied.
A. & J. M. Anderson,	Machinery,	65	—	1	Good,	Post time tables,	•	Complied.
Charles W. Robbins,	Spring beds,	4	—	—	Good,	Guard engine fly-wheel,	•	Complied.
E. M. Bugbee & Co.,	Doors, etc.,	8	—	—	Fair,	None,	•	Complied.
Edward Lynch,	Stairs,	20	—	—	Fair,	None,	•	—
McNeil Bros.,	House finish,	30	—	—	Fair,	None,	•	—
H. B. Simpson & Co.,	Refrigerators,	15	—	—	Fair,	None,	•	—
Jacob Ripley & Son,	Furniture,	5	—	—	Good,	None,	•	—
M. W. Cain & Son,	Furniture,	30	—	—	Good,	None,	•	—
Revere Brewery,	Lager beer,	34	—	—	Good,	None,	•	—
L. T. Pratt & Co.,	Metals,	3	—	—	Poor,	None,	•	—
Boston Electric Light Co.,	Electric light,	9	—	—	Good,	None,	•	—
Boston & Lockport Block Co.,	Ships' blocks,	23	—	—	Good,	Post time tables,	•	Complied.
Condor Iron Foundry Co.,	Castings,	38	—	—	Fair,	Post time tables,	•	Complied.
Lockwood Manufacturing Co.,	Steamships,	75	—	—	Fair,	None,	•	—
Emery & Preble,	Machinery,	5	—	—	Good,	None,	•	—
M. Killilea,	Boilers,	15	—	—	Fair,	Guard fly-wheel and crank,	•	Complied.

E. P. Lewis,	Candy,	20	25	—	Good,	Cover set screws; cover gearing,	Complied.
Luigi Lauvi,	Macaroni,	8	2	—	Fair,	Designate water-closet,	—
Eastern Box & Lumber Co.,	Packing cases,	10	—	—	Fair,	None,	—
C. W. York & Co.,	Bundle wood,	20	—	—	Fair,	Post time tables; guard fly-wheel,	Complied.
						floor belts and floor openings,	
C. A. Wooley & Co.,	Laundry,	3	8	1	Fair,	Certificate for one child,	Complied.
Thomas Hoey,	Iron nipples,	27	—	—	Fair,	Cover set screws,	Complied.
National Tube Works Co.,	Iron tubing,	21	—	—	Fair,	None,	—
Standard Stave and Cooperae Co.,	Casks,	60	—	—	Fair,	None,	—
J. W. Hunnewell & Co.,	Kerosene oil,	3	—	—	Fair,	None,	—
Maverick Oil Works,	Tin cans,	11	1	—	Fair,	None,	—
Stimpson Varnish Co.,	Varnishes,	3	—	—	Fair,	None,	—
Randall Fertilizer Works,	Fertilizers,	7	—	—	Fair,	None,	—
J. H. Cunningham,	Iron pipe,	4	—	—	Fair,	None,	—
Geo. E. Whitney,	Engines,	4	—	—	Fair,	None,	—
Webb & Watson,	Engines,	12	—	—	Fair,	Cover set screws,	Complied.
M. Carbee & Co.,	Machinery,	10	—	—	Fair,	None,	—
N. E. Drug & Spice Mill,	Spices,	3	—	1	Fair,	None,	—
B. H. Murray,	Lumber,	5	—	—	Fair,	None,	—
Mellugo & Snow,	Boxes,	15	—	—	Fair,	None,	—
Hermon Drake,	House finish,	22	—	1	Fair,	Post time tables; cover set screws,	Complied.
Wm. Gilchrist,	Carriages,	7	—	—	Fair,	Post time tables,	Complied.
J. Bertelsen,	Machinery,	6	—	—	Fair,	Post time tables,	Complied.
Graham & Cameron,	Stairs,	10	—	—	Fair,	Cover set screws,	Complied.
Geo. McQuesten,	Lumber,	80	—	—	Fair,	None,	—
Phono-Harp Co.,	Harp,	10	—	—	Fair,	None,	—
S. T. Manson & Co.,	Lumber,	20	—	—	Bad,	Clean and repair privies,	Complied.
Peerless Manufacturing Co.,	Bicycle handles,	3	2	—	Fair,	None,	—
Davis & White,	Mouldings,	4	—	—	Fair,	None,	—
L. C. Swett & Co.,	Carpet beating,	2	1	—	Fair,	None,	—

* Moved away.

DISTRICT NO. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
BOSTON — <i>Continued.</i>									
Geo. A. Minott, . . .	Iron work, . .	6	—	—	Fair, .	None,	—	
Frame & McPherson, . .	House finish, .	13	—	—	Fair, .	None,	—	
Sidney Peterson & Co., . .	House finish, .	30	—	—	Fair, .	Guard buzz planer and circular saw,	— *	
Lidiard, Fitzer & Bradford, .	Mantels, . .	5	—	—	Fair, .	Cover set screws, .	. . .	Complied.
The Atlantic Works, . .	Boilers, etc., .	300	—	—	Good, .	None,	—	
G. F. Cailer, . . .	Leather, . .	12	—	—	Fair, .	Enlarge stairway opening and rail it, .	. . .	Complied.
Page & Son, . . .	House finish, .	14	—	—	Fair, .	Guard fly-wheel, .	. . .	Complied.
H. Burridge & Co., . .	Doors and sashes, .	2	—	—	Fair, .	None,	—	
Edmonds & Hooper, . .	Stoneware, . .	22	—	—	Fair, .	None,	—	
J. A. Cilley & Co., . .	Furniture, . .	4	—	—	Fair, .	None,	—	
Philadelphia & Boston Face Brick Co.	Brick, . .	40	—	—	Fair, .	None,	—	
Maine Furniture Co., . .	Furniture, . .	12	—	—	Fair, .	None,	—	
Alden Batchelder, . .	Furniture, . .	30	—	—	Fair, .	None,	—	
J. D. Robertson, . .	Stairs, . .	10	—	—	Fair, .	None,	—	
Edwin Porter, . . .	Furniture, . .	7	—	—	Fair, .	None,	—	
H. H. Osgood & Co., . .	Screens, . .	4	1	—	Fair, .	Guard sewing-machine shafting, .	. . .	Complied.
W. H. Stearns & Co., . .	Furniture, . .	8	—	—	Fair, .	None,	—	
American Preservers Co., .	Preserves, . .	8	8	—	Fair, .	None,	—	
Joseph Palmer, . . .	Carriage springs, .	12	—	—	Good, .	Cover gearing, .	. . .	Complied.
H. D. Gloyd, . . .	Preserves, . .	5	—	—	Good, .	None,	—	

D'Este & Seeley Co., . . .	Brass, . . .	43	—	1	Fair, . . .	Certificate for one child; cover set screws; box one belt.	Complied.
Boston Excelsior Co., . . .	Excelsior, . . .	10	—	1	Fair, . . .	Post time tables; cover set screws; cover gears.	Complied.
E. A. Gillette & Sons, . . .	Bent felloes, . . .	12	—	—	Fair, . . .	Post time tables, . . .	Complied.
Furbush & Co., . . .	Sausages, . . .	32	—	—	Fair, . . .	None, . . .	—
Blazer Manufacturing Co., . . .	Blacking, . . .	4	1	—	Fair, . . .	None, . . .	—
U. S. Lyons, . . .	Carpet beating, . . .	4	—	—	Fair, . . .	None, . . .	—
Charlestown Gas & Electric Light Co.	Electric light, . . .	6	—	—	Good, . . .	None, . . .	—
Clark & Smith, . . .	Lumber, . . .	8	—	—	Good, . . .	None, . . .	—
Owen Brock & Co., . . .	Boilers, . . .	5	—	—	Fair, . . .	None, . . .	—
J. T. Reed & Co., . . .	Gloves, . . .	4	22	—	Good, . . .	None, . . .	—
Burbank & Ryder, . . .	Varnishes, . . .	6	—	1	Fair, . . .	Certificate for one child; post time tables.	Complied.
Burbank & Gannett, . . .	Blacking, . . .	2	5	—	Good, . . .	Front door to be kept unlocked, . . .	Complied.
Munroe & Conley, . . .	Laundry, . . .	5	6	—	Fair, . . .	None, . . .	—
Whittemore, Woodbury & Co., . . .	Wax and blacking, . . .	4	2	—	Good, . . .	None, . . .	—
P. McGowan, . . .	Leather, . . .	35	—	—	Fair, . . .	None, . . .	—
Orpin Bros., . . .	Desks, . . .	70	—	—	Fair, . . .	None, . . .	—
Howard Manufacturing Co., . . .	Elastic goods, . . .	24	95	—	Good, . . .	Guard floor shafting, . . .	Complied.
Charlestown Enterprise Co., . . .	Newspaper, . . .	8	3	—	Good, . . .	None, . . .	—
Waverly Magazine, . . .	Newspaper, . . .	5	15	—	Good, . . .	None, . . .	—
Nathaniel Tufts, . . .	Gas meters, . . .	36	—	—	Good, . . .	Cover set screws, . . .	Complied.
W. D. Baker, . . .	Furniture, . . .	12	—	—	Fair, . . .	None, . . .	—
H. E. Wright & Son, . . .	Milk cans, . . .	27	—	—	Fair, . . .	Cover set screws, . . .	Complied.
A. D. Hall & Son, . . .	Refrigerators, . . .	10	—	—	Fair, . . .	Cover set screws, . . .	Complied.
Raymond Bicycle Co., . . .	Skates, . . .	12	3	—	Fair, . . .	Post time tables, . . .	Complied.
Wm. Litchfield, . . .	Brass work, . . .	5	—	—	Fair, . . .	None, . . .	—
Wm. McGowan, . . .	Brass work, . . .	3	—	—	Fair, . . .	None, . . .	—

* Discontinued.

DISTRICT NO. 4 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Females.		Under 14.	14 to 16.				
		Males.							
BOSTON — <i>Concluded.</i>									
Crawford Laundry Machinery Co.,	Machinery, .	12	—	—	Fair, .	Cover set screws, .	. . .	Complied.
R. W. Pratt, .	Engines, .	9	—	—	Fair, .	None,	—	
Eastman Freight-Car Heater Co.,	Heaters, .	14	—	—	Good, .	None,	—	
Carson Trench Machine Co.,	Machines, .	8	—	—	Good, .	None,	—	
Bunker Hill Iron Foundry Co.,	Castings, .	50	—	—	Fair, .	None,	—	
Artistic Carving Co., .	Mantels, .	18	—	1	Fair, .	Post time tables; guard fly-wheel, .	. . .	Complied.
Kimball Manufacturing Co.,	Toys, .	9	—	—	Good, .	None,	—	
Geo. H. Wood & Co., .	Liquid cement, .	5	2	—	Fair, .	Post time tables; cover set screws; repair privy.	. . .	Complied.	
Asbestos Packing Co., .	Asbestos, .	3	—	—	Fair, .	None,	—	
Robert Webb & Co., .	Black lead, .	2	—	—	Fair, .	None,	—	
CHELSEA.									
Wellington Towle, .	Mantels, .	9	—	1	Bad, .	Post time tables; guard fly-wheel; clean privy and empty vault.	. . .	—*	
Jackson & Pert, .	Mantels, .	6	—	—	Fair, .	None,	—	
Sweet Car Wheel & Foundry Co.,	Car wheels, .	28	—	—	Fair, .	None,	—	
Am. Fire Hose Manufacturing Co.,	Fire hose, .	8	5	—	Good, .	Certificate for one child; rail floor opening.	. . .	Complied.	
S. J. Meaney & Son, .	Soap, .	3	—	—	Fair, .	None,	—	
Daniel Buckley, .	Soap, .	3	—	—	Fair, .	None,	—	
Wm. H. Norris, .	Soap, .	3	—	—	Poor, .	Cover set screws, .	. . .	Complied.

J. W. Stickney & Co., .	Whiting, .	19	—	—	Fair, .	None, .	Compd.
Samuel Cabot, .	Lampblack, .	25	—	—	Fair, .	Guard one engine fly-wheel, .	Compd.
Chelsea Pottery Co., U. S., .	Pottery, .	3	1	—	Good, .	Certificate for one child; post time tables, .	Compd.
James Porter, .	Leather, .	4	—	—	Fair, .	None, .	—
Am. Circular Loom Co., .	Covered wire, .	5	10	—	Fair, .	Guard floor shafting; cover set screws; seats for women, .	Compd.
Compressed Fibre Co., .	Fibre goods, .	4	—	—	Good, .	Guard engine belt, .	Compd.
Fred Theise, .	Baskets, .	8	—	—	Fair, .	None, .	—
Bisbee & Endicott Iron Co., .	Elevators, .	21	—	—	Fair, .	Cover set screws, .	Compd.
L. K. Husted Laundry Co., .	Laundry, .	4	12	—	Good, .	Post time tables; cover set screws, .	Compd.
A. D. Black, .	Screens, .	3	—	—	Fair, .	None, .	—
B. P. Nichols, .	Printing, .	9	3	—	Bad, .	Post time tables; cover set screws; provide water-closet for women, .	Compd.
Forbes Lithograph Co., .	Lithographs, .	349	81	—	Fair, .	None, .	—
Boston Blacking Co., .	Blacking, .	4	2	—	Fair, .	Cover set screws; cover gears of two grinders, .	Compd.
Chapman & Soden, .	Tarred paper, .	8	—	—	Fair, .	None, .	—
Trask Milling Machine Co., .	Machinery, .	7	—	—	Good, .	Cover gears of six machines, .	Compd.
A. S. Rogers Shoe Co., .	Shoes, .	47	46	—	Good, .	None, .	—
Roland Hill, .	Brass, .	2	—	—	Good, .	None, .	—
Albion Lord & Co., .	Tallow, .	2	—	—	Fair, .	None, .	—
Est. L. S. Slade, .	Cigars, .	1	4	—	Fair, .	None, .	—
Anderson Bros., .	Baskets, .	10	1	—	Fair, .	None, .	—
Chas. H. Pike & Co., .	Printing, .	5	1	—	Good, .	None, .	—
Henry Mason & Co., .	Printing, .	3	3	—	Good, .	None, .	—
Lynn & Boston R.R. Power Station, .	Electric power, .	10	—	—	Bad, .	Provide water-closet, .	Compd.
Chelsea Fire Brick Works, .	Fire brick, .	14	—	—	Bad, .	Guard engine belt; clean privy, .	Compd.
J. M. Mason, .	Machinery, .	12	—	—	Poor, .	Clean water-closet, .	Compd.
A. E. Russell, .	Machinery, .	2	—	—	Fair, .	None, .	—
Beddall Manufacturing Co., .	Brass, .	6	—	—	Fair, .	None, .	—

+ Closed up.

* Moved away.

REPORT OF INSPECTOR FOULDS.

DEAR SIR:—Herewith I submit you a tabulated statement of inspections made by me since my appointment.

I have found the manufacturers of my district very willing to comply with the laws. In relation to the weavers' particular bill, I have had considerable trouble, but now believe that all manufacturers in my district have complied with same.

Regarding the school certificates, I have found a few employers who did not know the necessity of having them for children employed during the vacation of the public schools, but upon being informed they prepared the same.

Concerning elevators, I would say that this branch of inspection afforded me much pleasure, as my former occupation as a machinist made it very interesting, and in cases where same were defective I saw them put in good order.

In relation to dangerous machinery, the owners are very careful to guard the same, so that with very few exceptions it has been unnecessary to give any orders. The exceptions referred to are the guarding of engine cranks and belts, which I have had done.

The doors of the different factories I have found in such condition that operatives could open same without trouble in case of fire.

There have been no complaints of running overtime. On account of the general depression of business, I find many running short time, and with less help than usual.

It has not been necessary for me to issue many orders for sanitary improvements, as I found most of them in good condition.

In conclusion, I wish to acknowledge the kindness of inspectors Dyson and Abbott in the aid and instruction which they have given me.

DISTRICT No. 5, JOHN E. FOULDS, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
ATHOL.									
Athol Steam Laundry,	Laundry,	1	4	—	Good,	None,	—	
Athol Silk Co.,	Silk thread,	5	30	—	Good,	None,	—	
Athol Paper Box Co,	Paper boxes,	7	13	—	Fair,	None,	—	
Athol Cotton Co.,	Cotton warps,	13	20	—	Fair,	None,	—	
A. F. Tyler,	Doors, sash and blinds,	57	—	—	Good,	None,	—	
Bates Bros.,	Pocketbooks,	37	63	—	Good,	None,	—	
C. M. Lee & Son,	Boots and shoes,	220	230	—	Good,	None,	—	
Coolidge Publishing Co.,	Publications,	8	10	—	Good,	None,	—	
Goddard & Manning,	Piano cases,	42	—	—	Good,	None,	—	
Hill & Green,	Boots and shoes,	95	80	—	Good,	None,	—	
L. S. Starrett Co.,	Fine mechanical tools,	57	3	—	Good,	None,	—	
Miller River Manufacturing Co.,	Blankets,	30	30	—	Fair,	None,	—	
Stickney & Howard,	Reed and rattan chairs,	10	2	—	Fair,	None,	—	
Partridge & Munn,	Satinets,	4	5	—	Fair,	None,	—	
ASHBURNHAM.									
American R.R. Improvement Co.,	Cars,	18	—	—	Fair,	Guard engine crank, . . . . .	. . . . .	Complied.
Ashburnham Sheetting Mill,	Cotton warp,	4	7	1	Fair,	None,	—	

DISTRICT No. 5 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		NUMBER EMPLOYED.							
		Males.	Females.	Under 14.	14 to 16.				
ASHBURNHAM — <i>Concluded.</i>									
G. G. Rockwood, . . .	Pails and tubs, . . .	24	—	1	—	Good, . .	Post time table; school certificate, .	Complied.	
I. E. Platt, . . .	Chairs, . . .	20	—	—	—	Good, . .	None, . . .	—	
O. Whitney & Co., . . .	Chairs, . . .	115	—	—	5	Good, . .	School certificate, . . .	Complied.	
Pierce & Stacey, . . .	Chairs, . . .	7	—	—	—	Good, . .	None, . . .	—	
W. F. Whitney, . . .	Chairs, . . .	115	10	—	1	Good, . .	None, . . .	—	
Williams & Upham, . . .	Chairs, . . .	20	—	—	—	Good, . .	None, . . .	—	
GARDNER.									
Kelley Bros., . . .	Chairs, . . .	35	—	—	—	Fair, . .	None, . . .	—	
Nichols Bros., . . .	Chairs, . . .	75	—	—	2	Fair, . .	None, . . .	—	
Frank W. Smith, . . .	Sterling silver, . . .	75	—	—	—	Good, . .	None, . . .	—	
C. O. Stone, . . .	Ever troughs, . . .	4	—	—	—	Good, . .	None, . . .	—	
Blount Manufacturing Co., . . .	Door checks and springs.	17	—	—	—	Good, . .	None, . . .	—	
Central Oil & Gas Stove Co., . . .	Oil and gas stoves, . . .	50	—	—	—	Good, . .	Guard engine crank, . . .	Complied.	
John A. Dunn, . . .	Chairs, . . .	75	—	—	1	Fair, . .	None, . . .	—	
E. Wright & Co., . . .	Chairs, . . .	26	—	—	—	Fair, . .	None, . . .	—	
L. G. McKnight & Co., . . .	Woodworking machinery.	19	—	—	—	Good, . .	None, . . .	—	
A. & H. C. Knowlton, . . .	Chairs, . . .	30	—	—	—	Fair, . .	None, . . .	—	
Heywood Bros. & Co., . . .	Chairs, and reed furniture.	850	150	1	16	Good, . .	School certificates, . . .	Complied.	

P. Derby & Co., .	Chairs, .	140	10	—	Fair, .	None, .	—	—
Conant Ball & Co.,	Chairs, .	30	—	—	Good, .	None, .	—	—
Wyman & Upham,	Chairs, .	20	2	—	Good, .	None, .	—	—
Bancroft & Rich, .	Chair machinery, .	8	—	—	Good, .	None, .	—	—
Greenwood Bros. & Co.,	Chairs, .	15	5	—	Fair, .	None, .	—	—
L. A. Wright & Co.,	Boxes, .	11	—	—	Fair, .	None, .	—	—
E. H. Mahoney, .	Camp chairs, .	30	—	—	Good, .	None, .	—	—
Wright, Reed & Co.,	Chairs, .	20	—	—	Good, .	None, .	—	—
S. K. Pierce & Son,	Chairs, .	50	—	—	Good, .	None, .	—	—
Henry Hadley & Co.,	Tubs and palls, .	54	—	—	Good, .	School certificate; post time table, .	Complied.	Complied.
L. B. Ramsdell, .	Toys and baby carriages, .	71	4	—	Good, .	School certificate; post time table, .	—	—
S. Bent & Bros., .	Chairs, .	75	—	—	Good, .	None, .	—	—
J. Sawyer & Co.,	Chairs, .	15	3	—	Good, .	Post time table, .	—	Complied.
FITCHBURG.								
Ayer's Laundry & Dye Works,	Laundry, .	3	9	—	Good, .	None, .	—	—
Crocker & Burbank No. 1, .	Paper, .	18	10	—	Fair, .	None, .	—	—
Crocker & Burbank Mill 2, .	Paper, .	21	5	—	Fair, .	Provide water-closets, designate the same.	Complied.	Complied.
Crocker & Burbank Mill 3, .	Paper, .	20	14	—	Fair, .	None, .	—	—
Crocker & Burbank Mill 7, .	Book and card paper, .	60	35	—	Fair, .	None, .	—	—
Crocker & Burbank Pulp Mill,	Wrapping paper, .	10	2	—	Fair, .	Post time table, .	Complied.	Complied.
Crocker & Burbank Lyon Mill,	Card and news-paper, .	15	6	—	Fair, .	None, .	—	—
Faulalah Paper Co., .	Manila paper, .	85	—	—	Good, .	Guard engine crank, .	Complied.	Complied.
Fitchburg Duck Mill, .	Cotton duck, .	41	59	—	Good, .	School certificate, .	Complied.	Complied.
Fitchburg Worsted Co.,	Worsted suitings, .	65	110	—	Good, .	None, .	—	—
Grant Yarn Co., .	Cotton yarn, .	55	65	—	Good, .	School certificate, .	Complied.	Complied.

DISTRICT NO. 5 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
FITCHBURG — <i>Concluded.</i>								
Simons' Manufacturing Co.,	Circular saws and knives.	120	—	—	—	Good, .	None, .	—
Park Hill Manuf'g Co. (A, B),	Gingham, .	305	241	5	28	Good, .	None, .	—
Park Hill Manuf'g Co. (C),	Gingham, .	150	200	—	12	Good, .	None, .	—
Orswell Mills, .	Cotton yarns, .	70	130	—	25	Good, .	None, .	—
Beoli Co., .	Worsted s and woollens.	220	180	1	10	Good, .	Designate water-closets; procure school certificates.	Complied.
Fitchburg Paper Co., .	Card paper, .	42	17	—	—	Fair, .	None, .	—
Fitchburg Paper Co., .	Wall paper, .	25	12	—	2	Fair, .	None, .	—
Star Worsted Co., .	Worsted yarns, .	25	85	1	14	Good, .	None, .	—
Iver, Johnson & Co., .	Firearms and bicycles.	375	—	1	12	Good, .	School certificate, .	Complied.
Fitchburg Cotton Co., .	Cotton yarn, .	10	17	—	3	Good, .	None, .	—
Boston Screw Co., .	I. W. screws, .	17	8	—	3	Good, .	None, .	—
E. M. Dickinson & Co.,	Shoes and shoe tips.	75	60	—	8	Good, .	Designate closets, .	Complied.
Putnam Machine Co., .	Steam engines, .	125	—	—	—	Good, .	None, .	—
Jerome Mossman, .	Turned novelties, .	8	—	—	1	Fair, .	Post time table, .	Complied.
Shaw Bros. & Co., .	Shirts and overalls, .	1	59	—	1	Fair, .	None, .	—
C. A. Cowdrey, .	Woodworking machinery.	9	9	—	—	Fair, .	None, .	—

Adjustable Saw Table Co., .	Woodworking machinery.	9	—	—	—	Fair, .	None,	.	.	.	.	—
Fitchburg Machine Co., .	Metal working machinery.	50	—	—	—	Good, .	None,	.	.	.	.	—
H. C. Dean, .	General jobbing, .	8	—	—	—	Fair, .	None,	.	.	.	.	—
C. W. Brown & Co., .	Steam engines, .	35	—	—	—	Good, .	None,	.	.	.	.	—
Simonds' R. M. Co., .	Steel balls and forgings.	46	11	—	—	Fair, .	None,	.	.	.	.	—
The Ball Bearing Co., .	Ball bearings, .	7	—	—	—	Good, .	None,	.	.	.	.	—
Mial Davis, .	Sash, doors and blinds.	23	—	—	—	Good, .	None,	.	.	.	.	—
Fitchburg Shoe Tip Co., .	Shoe tips, .	2	2	—	—	Good, .	None,	.	.	.	.	—
E. F. Belding & Co., .	Shoes, .	50	26	—	—	Good, .	None,	.	.	.	.	—
Sewell G. Cushing, .	Turned novelties, .	6	—	—	—	Fair, .	Post time table,	.	.	.	.	Complied.
A. D. Weymouth & Co., .	Lathes, .	6	—	—	—	Fair, .	None,	.	.	.	.	—
M. Webber, .	Door, sash and blinds.	30	—	—	—	Fair, .	None,	.	.	.	.	—
Union Machine Co., .	Paper-making machinery.	40	—	—	—	Good, .	None,	.	.	.	.	—
Geo. W. Wheelwright Paper Co.,	Book and card paper.	29	22	—	—	Good, .	None,	.	.	.	.	—
Palace Steam Laundry, .	Laundry, .	3	7	—	—	Good, .	None,	.	.	.	.	—
Fitchburg Shirt Co., .	Shirts and overalls,	2	38	—	—	Good, .	None,	.	.	.	.	—
Fitchburg Railroad Car Shops,	Cars, .	197	—	—	—	Good, .	None,	.	.	.	.	—
Fitchburg File Works, .	Files, .	11	—	—	—	Good, .	None,	.	.	.	.	—
Dan'l M. Dillon, .	Steam boilers, .	26	—	—	—	Fair, .	Post time table,	.	.	.	.	Complied.
Fitchburg S. E. Co., .	Steam engines, .	80	—	—	—	Good, .	None,	.	.	.	.	—
Willard Screen Plate Co., .	Screen plates, .	6	—	—	—	Good, .	None,	.	.	.	.	—

DISTRICT No. 5—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
TEMPLETON.								
D. L. Thompson & Sons,	Chairs, . . .	35	—	—	—	Good, .	None, .	—
Waite Chair Co., . .	Folding chairs, . .	37	—	—	—	Good, .	None, .	—
Smith, Day & Co., . .	Chairs, . . .	40	—	—	—	Good, .	None, .	—
River Mills, . . .	Woollen yarn, . .	13	3	1	—	Good, .	Guard engine crank; post time table,	Complied.
Winchester Box Co, . .	Boxes, . . .	48	12	—	—	Good, .	None, .	—
John Chisolm, . . .	Kindling wood, . .	1	4	—	—	Good, .	None, .	—
Holeman & Harris, . .	Tubs and pails, . .	75	—	—	1	Good, .	Post time table,	Complied.
J. M. Greenwood & Co.,	Baby carriages, . .	22	8	—	—	Good, .	None, .	—
T. T. Greenwood, . .	Chamber furniture, .	17	—	—	—	Good, .	None, .	—
Bourn, Hadley & Co., .	Chamber furniture, .	30	—	—	—	Good, .	None, .	—
Baker & Wilson, . . .	Toys, . . .	9	—	—	—	Good, .	None, .	—
WESTMINSTER.								
A. Merriam, . . .	Chairs and settees,	50	—	—	—	Good, .	None, .	—
WINCHENDON.								
Nelson Mill, . . .	Denims, . . .	98	63	5	7	Good, .	None, .	—
Caleb W. Day & Sons, .	Brush handles, . .	17	—	—	1	Good, .	None, .	—
Glenallan, . . .	Denims, . . .	101	64	9	6	Good, .	None, .	—
Andrew L. Litchfield, .	Window blinds, . .	12	—	—	1	Good, .	None, .	—
Morton E. Converse & Co., .	Chairs and toys, . .	58	32	5	—	Good, .	None, .	—

Baxter D. Whitney,	Woodworking machinery.	50	—	—	—	Good,	•	None,	•	•	•	•	—
Wendle P. Clark,	Chairs,	30	—	—	—	Good,	•	None,	•	•	•	•	—
Mason & Parker,	Steel toys and bit braces,	29	1	1	—	Good,	•	None,	•	•	•	•	—
Chas. L. Carter & Co.,	Chairs,	10	—	—	—	Good,	•	None,	•	•	•	•	—
E. Murdock & Co.,	Woodenware,	136	4	—	—	Good,	•	None,	•	•	•	•	—
Woodcock Mills,	Pails,	85	5	—	—	Good,	•	None,	•	•	•	•	—
Joel H. Sibley,	Woodenware,	13	2	1	—	Good,	•	None,	•	•	•	•	—
O L. Mann,	Pails,	17	3	1	—	Good,	•	School certificate,	•	•	•	•	Complied.
Wm. Brown & Son,	Woodenware,	48	2	1	—	Good,	•	None,	•	•	•	•	—
LEOMINSTER.													
A. W. Colburn & Co.,	Musical merchandise.	23	5	—	—	Good,	•	None,	•	•	•	•	—
B F. Blodgett & Co.,	Horn goods,	34	6	—	—	Good,	•	None,	•	•	•	•	—
Damon, Howe & Co.,	Horn goods,	31	4	—	—	Good,	•	None,	•	•	•	•	—
Whitney Reed Chair Co.,	Chairs and baby carriages.	69	6	—	—	Good,	•	None,	•	•	•	•	—
Horn Supply Co.,	Horn supplies,	16	—	—	—	Good,	•	None,	•	•	•	•	—
Paton Manufacturing Co.,	Horn goods,	84	6	3	—	Good,	•	School certificates,	•	•	•	•	Complied.
Union Manufacturing Co.,	Horn goods,	33	5	—	—	Good,	•	None,	•	•	•	•	—
Tenney & Porter,	Horn goods,	40	5	—	—	Good,	•	None,	•	•	•	•	—
F. G. Smith,	Piano cases,	63	—	—	—	Good,	•	None,	•	•	•	•	—
PHILLIPSTON.													
J. D. Parker & Co.,	Chairs,	3	—	—	—	Good,	•	None,	•	•	•	•	—
RUTLAND.													
Lakeville Woollen Co.,	Satinets,	16	14	—	—	Good,	•	Provide seats for women,	•	•	•	•	Complied.

DISTRICT No. 5—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BERLIN.								
J. H. Parker, . . .	Boots and shoes, .	16	10	—	—	Fair, .	Post time table, .	Complied.
Felton & Babcock, . . .	Box stock, . . .	3	—	—	—	Fair, .	None, . . .	—
BARRE.								
J. Edwin Smith, . . .	Cotton cloth, . .	34	26	1	—	Good, .	None, . . .	—
CLINTON.								
Clinton Worsted Co., . . .	Worsted and suit-ings.	53	22	—	2	Good, .	None, . . .	—
Bigelow Carpet Co., . . .	Carpets, . . .	215	355	—	16	Good, .	None, . . .	—
Bigelow Carpet Co., . . .	Worsted yarns, . .	211	94	—	12	Good, .	School certificate, .	Complied.
Clinton Wall Trunk Mfg. Co., . . .	Trunks, . . .	23	2	—	2	Good, .	None, . . .	—
Witherell Shoe Co., . . .	Boots and shoes, . .	10	4	—	—	Good, .	None, . . .	—
Clinton Wire Cloth Co., . . .	Wire cloth, . . .	250	150	1	9	Good, .	None, . . .	—
J. B. Parker, . . .	Mill machinery, . .	25	—	—	—	Good, .	None, . . .	—
Gibbs' Loom Harness-Reed Co., . . .	Loom harness and reeds.	24	11	—	—	Good, .	None, . . .	—
Lancaster Mills, . . .	Ginghams, . . .	1,131	986	3	75	Good, .	None, . . .	—
DANA.								
Henry W. Woodman & Co., . . .	Straw hats, . . .	43	32	—	—	Good, .	None, . . .	—

DISTRICT NO. 5—*Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
LEOMINSTER— <i>Concluded.</i>							
Gould & Cook,	Horn working machinery.	9	—	—	Good, .	None, .	—
Wachusett Shirt Co., . .	Shirts,	80	520	—	Good, .	None, .	—
F. A. Whitney Carriage Co.,	Baby carriages, .	145	30	—	Good, .	None, .	—
H. E. Bartlett,	Turned novelties,	12	—	—	Good, .	None, .	—
W. D. Earl & Co.,	Horn goods, . .	75	15	2	Good, .	None, .	—
Leominster Worsteds Co., .	Worsted suitings,	100	50	1	Good, .	None, .	—
Jewett Piano Co.,	Pianos,	21	—	—	Good, .	None, .	—
Edward N. Rockwell, . . .	Woollen yarn, .	35	15	1	Good, .	None, .	—

LEWIS F. F. ABBOTT, *Inspector.*

DISTRICT No. 5,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
ASHBURNHAM.								
O. Whitney & Co., . . .	Chairs, . . .	100	—	—	2	Fair, . . .	Post time table; procure school certificate.	Complied.
W. F. Whitney, . . .	Chairs, . . .	125	4	—	—	Good, . . .	None, . . .	—
American Railroad Improvement Co.	Railroad cars and other appliances.	15	—	—	—	Good, . . .	None, . . .	—
Pierce & Stacy, . . .	Screw chairs, . . .	5	—	—	—	Good, . . .	None, . . .	—
Williams & Co., . . .	Chair stock, . . .	15	—	—	—	Fair, . . .	None, . . .	—
ATHOL.								
Bates Bros., . . .	Pocketbooks, . . .	30	80	—	—	Good, . . .	None, . . .	—
Athol Steam Laundry, . . .	Laundry work, . . .	1	3	—	—	Good, . . .	Designate water-closet; post time table.	Complied.
W. S. Lee, . . .	Boots and shoes, . . .	95	90	—	—	Good, . . .	Designate water-closet, . . .	—
Charles M. Lee, . . .	Boots and shoes, . . .	90	80	—	—	Good, . . .	Guard crank and fly-wheel, . . .	Complied.
Athol Silk Co, . . .	Silk thread and yarn.	5	21	—	—	Good, . . .	None, . . .	—
Athol Machine Co., . . .	Meat choppers and mechanics' tools.	30	—	—	—	Good, . . .	None, . . .	—
Hill & Greene, . . .	Boots and shoes, . . .	70	80	—	2	Good, . . .	None, . . .	—
Athol Paper Box Co., . . .	Paper boxes, . . .	6	9	—	2	Good, . . .	None, . . .	—
Miller River Manufacturing Co.,	Blankets, . . .	18	17	—	—	Fair, . . .	None, . . .	—

DISTRICT No. 5 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
ATHOL — Concluded.								
Goddard & Manning, . . .	Piano cases, . .	35	—	—	—	Good, .	Guard band saw and doors to elevator well.	Complied.
L. S. Starrett, . . .	Fine tools, . .	50	—	—	—	Good, .	None,	—
Day & Stickney, . . .	Reed chairs, . .	7	1	—	—	Good, .	None,	—
Athol Cotton Co., . . .	Warps, . . .	4	7	—	—	Good, .	None,	—
Coolidge Publishing Co., . . .	Publishers, . .	8	10	—	—	Good, .	None,	—
Eagle Furniture Co., . . .	Furniture finish, . .	12	—	—	—	Good, .	None,	—
C. H. Richardson & Son, . . .	Machinery, . .	12	—	—	—	Good, .	None,	—
BLACKSTONE.								
Woonsocket Rubber Co., . . .	Rubber boots, . .	1,127	44	3	16	Good, .	None,	—
Lawrence Felt Co., . . .	Felt goods, . .	105	20	—	10	Good, .	None,	—
Blackstone Manufacturing Co., . . .	Sheetings, . .	230	220	—	52	Good, .	None,	—
BROOKFIELD.								
George H Burt & Co., . . .	Boots and shoes, . .	157	78	—	3	Good, .	Designate water-closet,	Complied.
E. H. Moulton, . . .	Boots and shoes, . .	240	35	—	—	Good, .	None,	—
J. K. Russells, . . .	Moulded counters, . .	12	—	—	—	Good, .	None,	—
East Brookfield Woolen Co., . . .	Shoddy, . . .	50	7	—	—	Fair, . .	None,	—
Ostego Woolen Mill, . . .	Satinets, . . .	29	19	—	—	Good, .	None,	—
Parmenter Manufacturing Co., . . .	Pottery, . . .	32	8	—	4	Good, .	Bars to outside hoist; rail stairs and designate water-closet.	Complied.

Bradford Yarn Mill, . . .	Woollen yarn, . . .	7	—	—	Good, . .	None, . .	. . .	. . .	—
Bedfordshire Woollen Mill, . .	Cassimeres, . . .	55	20	—	Good, . .	None, . .	. . .	. . .	—
BOYLSTON.									
Sawyer's Mills, . . .	Cotton yarn, . . .	44	49	—	Good, . .	None, . .	. . .	. . .	—
CHARLTON.									
Coffs' Mill, . . .	Satinets, . . .	23	13	—	Good, . .	None, . .	. . .	. . .	—
Cadybrook Mill, . . .	Finishing satinets, . .	15	—	—	Good, . .	None, . .	. . .	. . .	—
Springbrook Mill, . . .	Satinets, . . .	51	45	—	Good, . .	Designate water-closet, . .	. . .	. . .	—
CLINTON.									
Lancaster Manufacturing Co., . .	Ginghams, . . .	1,193	985	1	Good, . .	None, . .	. . .	. . .	—
Witherell Shoe Co., . . .	Boots and shoes, . .	10	4	—	Good, . .	Post time table; designate water-closet.	. . .	. . .	Complied.
Clinton Wire Cloth Co., . . .	Wire cloth, . . .	300	150	—	Good, . .	None, . .	. . .	. . .	—
Wekepeke Woollen Co., . . .	Woollen yarn, . . .	10	1	—	Fair, . .	None, . .	. . .	. . .	—
Clinton Worsted Co., . . .	Worsted suiting, . .	19	18	—	Good, . .	None, . .	. . .	. . .	—
Eureka Steam Laundry, . . .	Laundry work, . . .	3	4	—	Good, . .	None, . .	. . .	. . .	—
Gibbs' Reed & Loom-Harness Co., .	Reeds and harness, . .	10	10	—	Good, . .	None, . .	. . .	. . .	—
Clinton Wall Trunk Co., . . .	Trunks, . . .	21	2	—	Good, . .	None, . .	. . .	. . .	—
Bigelow Carpet Co., . . .	Carpet weaving, . .	212	353	—	Good, . .	None, . .	. . .	. . .	—
Bigelow Carpet Co., . . .	Spinning department.	85	80	—	Good, . .	None, . .	. . .	. . .	—
DANA.									
H. W. Goodman, . . .	Straw hats, . . .	15	20	—	Good, . .	Guard doors to outside hoist; post time table.	. . .	. . .	Complied.
Crawford & Tyler, . . .	Satinets, . . .	17	10	—	Good, . .	None, . .	. . .	. . .	—
J. E. Stowells, . . .	Boxes, . . .	23	—	—	Good, . .	None, . .	. . .	. . .	—

DISTRICT No. 5—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
DOUGLAS.								
W. E. Haywood & Co.,	Satinets,	30	25	—	—	Good,	None,	—
DUDLEY.								
Stevens' Linen Mill,	Crash,	234	251	2	62	Good,	None,	—
W. J. Warren,	Paper,	9	—	—	—	Good,	None,	—
E. S. Stevens,	Satinets,	90	50	—	5	Good,	None,	—
John Chase & Son,	Fancy cassimeres,	82	91	—	6	Good,	None,	—
Dudley Woollen Mill,	Fancy cassimeres,	88	47	—	7	Good,	Belt, Apley feeds to turn up,	Complied.
Perry's Yarn Mill,	Woollen yarn,	18	7	—	2	Fair,	Belt, Apley feeds to turn up; keep school certificate in mill.	Complied.
FITCHBURG.								
Crocker & Burbank, Mill No. 7,	Paper,	68	24	—	—	Good,	None,	—
Parkhill Manuf'g Co., Mill B,	Weav'g ginghams,	61	42	—	—	Good,	None,	—
Parkhill Manuf'g Co., Mill A,	Ginghams,	263	180	—	46	Good,	Designate water-closet in beam room.	Complied.
Parkhill Manuf'g Co., Mill C,	Ginghams,	293	167	—	17	Good,	Designate water-closet,	Complied.
The Grant Yarn Co.,	Cotton yarn,	21	55	—	9	Good,	None,	—
Orswell Mill,	Cotton yarn,	125	158	—	34	Good,	Designate water-closet,	Complied.
Crocker & Burbank, Mill 5,	Paper,	20	5	—	—	Good,	None,	—
Crocker & Burbank, Mill 4,	Paper,	18	—	—	—	Good,	None,	—
Crocker & Burbank, Mill 3,	Paper,	23	12	—	—	Good,	None,	—
Fitchburg Manufacturing Co.,	Ginghams,	85	35	—	—	Good,	None,	—

DISTRICT NO. 5—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
GARDNER — Concluded.								
S. K. Pierce & Son, . . .	Chairs, . .	65	—	—	1	Good, .	None, .	—
L. B. Ramsdell, . . .	Toys, . .	56	4	—	—	Good, .	None, .	—
F. W. Smith, . . .	Silverware, . .	70	—	—	—	Good, .	None, .	—
Blount Manufacturing Co., . .	Hardware, . .	15	—	—	—	Good, .	None, .	—
Heywood Bros. & Co., . .	Chairs and furniture.	950	150	—	23	Good, .	None, .	—
Conant & Ball, . . .	Chairs, . .	33	—	—	—	Good, .	None, .	—
John A. Dunn, . . .	Chairs, . .	100	—	—	3	Good, .	Procure school certificates, .	Complied.
P. Derby & Son, . . .	Chairs, . .	141	9	—	—	Good, .	None, .	—
A. & H. C. Knowlton, . . .	Chairs, . .	35	—	—	—	Good, .	None, .	—
S. Bent & Bro., . . .	Chairs, . .	40	—	—	—	Good, .	None, .	—
E. Wright & Co., . . .	Chairs, . .	30	—	—	—	Good, .	None, .	—
GRAFTON.								
S. A. Forbush, . . .	Boots and shoes, . .	40	15	—	—	Good, .	None, .	—
Grafton Flax Co., . . .	Shoe thread, . .	77	213	—	17	Good, .	None, .	—
J. S. Nelson & Son Shoe Co., . .	Boots and shoes, . .	120	55	—	—	Good, .	None, .	—
William Paton, . . .	Shoe laces, . .	10	15	—	1	Good, .	None, .	—
Farmersville Cotton Mill, . .	Print cloth, . .	80	80	—	16	Good, .	None, .	—
Fisher Manufacturing Co., . .	Fancy cottons, . .	35	150	—	33	Good, .	None, .	—
Saundersville Cotton Mill, . .	Sheetings, . .	37	63	—	8	Good, .	None, .	—

HARDWICK.		Woolen dress goods.	241	136	8	Good.	Procure school certificate,	Complied.
George H. Gilbert Manufacturing Co.	George H. Gilbert Manufacturing Co., Mill 4.	Woolen yarn,	131	16	7	Good.	Procure school certificate,	Complied.
HOLDEN.		Satinets,	54	36	—	Good.	None,	—
Eagle Lake Woolen Mill,	Jefferson Manufacturing Co.,	Cassimeres,	100	40	—	Good.	None,	—
Quinafoxt Mill,	Centerville Mill,	Satinets,	40	32	1	Fair.	Designate water-closet,	Complied.
Centerville Mill,	Dawson Manufacturing Co.,	Satinets,	17	19	—	Fair.	None,	—
Dawson Manufacturing Co.,		Cassimeres,	54	64	—	Good.	None,	—
LEICESTER.		Satinets,	27	17	—	Fair.	None,	—
Manville Mill,	Lakeville Mill,	Satinets,	20	16	—	Good.	None,	—
Lakeville Mill,	Collier's Mill,	Satinets,	10	7	—	Good.	None,	—
Collier's Mill,	L. S. Watson Manufacturing Co.,	Hand cards,	25	—	—	Good.	None,	—
L. S. Watson Manufacturing Co.,	J. J. Murdock,	Card clothing,	11	3	—	Good.	None,	—
J. J. Murdock,	Amer. Card Clothing Co.,	Card leather,	17	—	—	Good.	None,	—
Amer. Card Clothing Co.,	Rochdale Mill,	Dress flannel,	59	28	2	Good.	None,	—
Rochdale Mill,	Carlton's Mill,	White flannel,	27	14	2	Good.	None,	—
Carlton's Mill,	W. F. Whittemore,	Card clothing,	16	3	—	Good.	None,	—
W. F. Whittemore,	J. D. Clark & Co.,	Satinets,	45	18	2	Good.	None,	—
J. D. Clark & Co.,	C. W. Warren & Son,	Heeling sheets,	23	22	—	Fair.	Keep water-closet clean; bars to elevator doors.	Complied.
C. W. Warren & Son,	Bottomly Mill,	Satinets,	44	26	2	Good.	None,	—
Bottomly Mill,	Chapel Mill,	Satinets,	20	15	1	Good.	Procure school certificate,	Complied.
Chapel Mill,	Olney's Mill,	White flannel,	52	38	5	Good.	None,	—
Olney's Mill,	Valley Woolen Mill,	Dress flannel,	50	37	—	Good.	None,	—

DISTRICT No. 5—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
LEOMINSTER.							
Whitney & Co., . . .	Paper boxes, . . .	15	10	—	Good, . .	Post time table, . .	Complied.
Tilton & Cook, . . .	Horn goods, . . .	55	5	—	Good, . .	None, . .	—
Columbia Comb Co., . . .	Combs, . . .	14	—	—	Good, . .	Post time table, . .	Complied.
Paton Manufacturing Co., . . .	Horn goods, . . .	83	7	5	Good, . .	None, . .	—
Union Manufacturing Co., . . .	Horn goods, . . .	49	3	—	Good, . .	Post time table, . .	Complied.
Whitney Reed Chair Co., . . .	Reed chairs, . . .	79	6	—	Good, . .	Post time table, . .	Complied.
Tenney & Porter, . . .	Horn goods, . . .	54	6	1	Good, . .	None, . .	—
B. F. Blodgett & Co., . . .	Horn goods, . . .	41	7	1	Good, . .	None, . .	—
Wheelwright Paper Co., . . .	Paper, . . .	46	26	—	Good, . .	None, . .	—
Phelps & Harrison, . . .	Tannery, . . .	50	—	—	Good, . .	None, . .	—
E. F. Dodge & Co., . . .	Paper boxes, . . .	4	14	—	Good, . .	None, . .	—
A. W. Colburn & Co., . . .	Musical manufacturer, supplies.	30	5	—	Good, . .	Guard shaft on sand-paper wheel, . .	Complied.
E. M. Rockwell, . . .	Woollen yarn, . . .	50	16	—	Good, . .	None, . .	—
Damon, Howe & Co., . . .	Horn goods, . . .	41	4	1	Good, . .	None, . .	—
Leominster Worsted Co., . . .	Suitings, . . .	85	40	4	Good, . .	None, . .	—
W. D. Earl, . . .	Horn goods, . . .	80	15	1	Good, . .	None, . .	—
W. S. Reed Toy Co., . . .	Toys, . . .	39	6	4	Good, . .	None, . .	—
Williams & Winn, . . .	Horn goods, . . .	35	5	4	Good, . .	None, . .	—
MILLBURY.							
Cordis Mills, . . .	Tickings, . . .	70	85	—	Good, . .	None, . .	—

DISTRICT No. 5—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
No. BROOKFIELD — <i>Concluded.</i>								
H. H. Brown & Co., . . .	Boots and shoes, .	140	35	—	1	Good, .	Procureschool certificate; discharge one boy under thirteen.	Complied.
Standard Manufacturing Co., .	Overalls and jumpers.	3	17	—	—	Good, .	None,	—
OXFORD.								
Thayer Woolen Co., . . .	Satinets, . . .	73	47	—	7	Good, .	None,	—
N. E. Taft,	Satinets, . . .	16	6	—	—	Good, .	Post time table,	Complied.
Comins Mill,	Satinets, . . .	26	10	—	—	Good, .	Guard hatch in spinning room, .	Complied.
Rockdale Mill,	Warps,	12	4	—	3	Good, .	None,	—
Segourney Mill,	Warps,	29	14	—	3	Good, .	None,	—
Oxford Woolen Mill,	White flannel, .	30	20	—	5	Good, .	None,	—
A. L. Joslin & Co,	Boots and shoes, .	102	23	—	—	Good, .	Guard fly-wheel and crank, . .	Complied.
ROYALSTON.								
Geo. Whitney Woolen Co., . .	Woollen yarn, .	22	6	—	—	Good, .	Designate water-closet, . . .	Complied.
SOUTHBRIDGE.								
Hamilton Woolen Co, Old Mill, .	Delaines, . . .	209	189	—	54	Good, .	None,	—
Hamilton Woolen Co, Print W'ks,	Delaines, . . .	129	200	4	35	Good, .	None,	—
Hamilton Woolen Co., New Mill,	Warps,	21	57	—	19	Good, .	None,	—
Central Mills,	Sheetings, . .	70	97	1	36	Good, .	None,	—

American Optical Co., Lens Factory.	Lenses, . . .	75	35	—	9	Good, . .	None,	. . . . .	. . . . .	—
American Optical Co.,	Spectacles, . .	575	40	—	24	Good, . .	Designate water-closet,	. . . . .	. . . . .	Complied.
Dupaul Young Optical Co.,	Spectacles, . .	56	—	—	5	Good, . .	None,	. . . . .	. . . . .	—
Hyde Manufacturing Co.,	Knives and shaves,	12	—	—	—	Good, . .	None,	. . . . .	. . . . .	—
Southbridge Optical Co.,	Spectacles, . .	60	5	—	2	Good, . .	None,	. . . . .	. . . . .	—
Southbridge Printing Co.,	Bleaching and printing.	234	26	—	11	Good, . .	None,	. . . . .	. . . . .	—
SPENCER.										
Bacon & Sibley,	Boots and shoes, . .	80	20	—	2	Good, . .	Procure school certificate,	. . . . .	. . . . .	Complied.
J E Bacon & Co., . . .	Boots and shoes, . .	49	26	—	—	Good, . .	None,	. . . . .	. . . . .	—
William Barr & Son., . .	Heels,	3	40	—	—	Good, . .	Post time table; designate water-closet.	. . . . .	. . . . .	Complied.
Duffon Bros.,	Satinets,	16	13	—	—	Good, . .	None,	. . . . .	. . . . .	—
E. Jones & Co.,	Boots and shoes, . .	80	20	—	3	Good, . .	None,	. . . . .	. . . . .	—
Isaac Prouty & Co., . . .	Boots and shoes, . .	600	200	—	14	Good, . .	None,	. . . . .	. . . . .	—
STURBRIDGE.										
Fiskdale Mills, No. 1, . .	Print cloth,	95	65	6	29	Good, . .	None,	. . . . .	. . . . .	—
Fiskdale Mills, No. 2, . .	Print cloth,	105	90	4	20	Good, . .	None,	. . . . .	. . . . .	—
STERLING.										
Washacum Pottery,	Pottery,	14	—	—	—	Good, . .	None,	. . . . .	. . . . .	—
SUTTON.										
Manchaug Manufacturing Co.,	Sheetings,	325	315	6	83	Good, . .	None,	. . . . .	. . . . .	—
D. T. Dudley & Son Co.,	Shuttles,	25	—	—	—	Good, . .	None,	. . . . .	. . . . .	—
Sutton Woolen Co., . . .	Satinets,	24	14	—	2	Good, . .	None,	. . . . .	. . . . .	—
Smith's Mill,	Shoddy,	14	—	—	—	Good, . .	None,	. . . . .	. . . . .	—
Sutton Manufacturing Co., .	Print cloth,	140	95	—	16	Good, . .	None,	. . . . .	. . . . .	—

DISTRICT No. 5—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		NUMBER EMPLOYED.							
		Males.	Females.	Under 14. 14 to 16.					
TEMPLETON.									
D. L. Thompson & Son,	Chairs, . .	38	—	—	Good, .	None, .	. .	—	
Baker & Wilson, . .	Toy wagons,	10	—	—	Good, .	None, .	. .	—	
Winchester Box Co., .	Boxes, . .	48	12	—	Good, .	Build water-closet for females,	. .	Complied.	
Holman & Harris, . .	Tubs and pails,	75	—	2	Good, .	Post time table; procure certificate; guard engine crank.	. .	Complied.	
Smith, Day & Co., . .	Chairs, . .	40	—	—	Good, .	None, .	. .	—	
Waite Chair Co., . .	Chairs, . .	40	—	—	Good, .	None, .	. .	—	
J. M. Greenwood & Co.,	Baby carriages and toys,	28	12	—	Good, .	Post time table,	. .	Complied.	
T. T. Greenwood & Son,	Furniture,	14	—	—	Good, .	None, .	. .	—	
Otter River Manufacturing Co.,	Satinets, . .	7	4	—	Fair, .	Post time table,	. .	Complied.	
Templeton Mills, . .	Woollen yarn,	18	—	—	Good, .	None, .	. .	—	
UPTON.									
Benson & Nelson, . .	Straw hats, .	24	43	—	Good, .	None, .	. .	—	
William Knowlton & Son, .	Straw goods,	162	360	—	Good, .	None, .	. .	—	
UXBRIDGE.									
Calumet Woollen Mill,	Cassimeres, .	12	2	—	Good, .	None, .	. .	—	
Scott's Mill, . .	Satinets, . .	41	24	1	Good, .	None, .	. .	—	
Uxbridge Cotton Mill, . .	Sheetings, .	55	95	5	Good, .	Guard engine crank,	. .	Complied.	

Scott & Wheelock, Hecla Mill, . . .	Cassimeres, . . Cassimeres, . .	56 90	24 39	- -	- 7	Good, . Good, .	None, . Set up guide to elevator, .	. .	. .	. .	- Complied.
WARREN.											
Warren Cotton Mill, No. 1, .	Denims and tick- ings.	122	78	-	10	Good, .	None, .	. . . .	. . . .	. . . .	-
Warren Cotton Mill, No. 2, .	Denims, . .	42	48	-	7	Good, .	None, .	. . . .	. . . .	. . . .	-
Warren Cotton Mill, No. 3, .	Denims, . .	67	73	-	12	Good, .	None, .	. . . .	. . . .	. . . .	-
Warren Cotton Mill, No. 4, .	Denims, . .	39	51	-	6	Good, .	None, .	. . . .	. . . .	. . . .	-
Knowles Pump Works, . .	Steam pumps, .	300	-	-	-	Good, .	Repair safety device on elevator, .	. . . .	. . . .	. . . .	Complied.
WEBSTER.											
Slater Cambrie Works, . .	Cambrie and sat- eens finishing.	165	52	-	10	Good, .	None, .	. . . .	. . . .	. . . .	-
A. J. Bates & Co., . . .	Boots and shoes, .	213	87	-	19	Good, .	Guard engine crank, .	. . . .	. . . .	. . . .	Complied.
B. A. Corbin & Son, . . .	Boots and shoes, .	257	85	-	11	Good, .	None, .	. . . .	. . . .	. . . .	-
Bay State Paper Box Co., .	Boxes,	2	16	-	5	Good, .	Post time table; designate water- closet.	. . . .	. . . .	. . . .	Complied.
Slater Cotton Mill, . . .	Cotton dress goods, .	217	133	1	28	Good, .	None, .	. . . .	. . . .	. . . .	-
Slater Woolen Mills, . . .	Woollen suiting, .	525	30	-	26	Good, .	Repair guide to elevator; turn bevel gears up.	. . . .	. . . .	. . . .	Complied.
WEST BROOKFIELD.											
McIntosh & Co.,	Boots and shoes, .	73	27	-	1	Good, .	None, .	. . . .	. . . .	. . . .	-
J. T. Wood Co.,	Boots,	23	4	-	-	Good, .	Post time table, .	. . . .	. . . .	. . . .	Complied.
WESTBOROUGH.											
F. V. Bartlett,	Wood and paper boxes.	14	3	-	-	Good, .	Guard engine crank; designate water- closet.	. . . .	. . . .	. . . .	Complied.
American Bedstead Co., . .	Iron bedsteads, .	38	12	-	-	Good, .	None, .	. . . .	. . . .	. . . .	-
Geo. B. Brigham & Co., . .	Boots and shoes, .	90	20	-	-	Good, .	None, .	. . . .	. . . .	. . . .	-
The Forbes Sleigh Co., . .	Sleighs,	20	-	-	-	Good, .	None, .	. . . .	. . . .	. . . .	-

DISTRICT No. 5 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WESTBOROUGH — <i>Concluded.</i>								
Gould & Walker,	Boots and shoes, .	195	45	—	8	Good, .	None, .	—
Densmore Youst Co., . . .	Bicycles and novelties.	40	—	—	—	Good, .	None, .	—
The Hunt Manufacturing Co, .	Bicycle supplies, .	32	5	—	4	Good, .	Designate water-closet; post time table.	Complied.
WEST BOYLSTON.								
West Boylston Manufacturing Co.	Variety cotton goods.	190	160	—	33	Good, .	None, .	—
Clarendon Mills,	Counterpanes, .	91	82	—	13	Good, .	Repair two small elevators, .	Complied.
Howe, Lovell & Co., . . .	Boots and shoes, .	12	3	—	—	Fair, .	None, .	—
Holbrook's Mill,	Light sheetings, .	22	28	—	7	Good, .	None, .	—
L. M. Harris Manufacturing Co., weaving.	Drills,	44	35	—	—	Good, .	None, .	—
L. M. Harris Manufacturing Co., spinning.	Warps and yarn, .	21	21	—	12	Good, .	Procure school certificate, .	Complied.
WINCHENDON.								
E. Murdock & Co.,	Tubs and pails, .	200	—	—	—	Good, .	None, .	—
W L. Woodcock & Son, . . .	Tubs and pails, .	86	4	—	—	Good, .	None, .	—
C. L. Carter & Co,	Reed chairs, .	6	2	—	—	Good, .	Post time table, .	Complied.
Nelson Mill,	Denims,	85	100	—	8	Good, .	None, .	—
Glen Allen Mill,	Denims,	57	68	—	7	Good, .	None, .	—

M. E. Convers & Co.,	Toys, . . .	50	15	—	3	Good, .	None,	.	.	.	.	—
William Brown & Son,	Tubs and pails, .	33	2	—	1	Good, .	None,	.	.	.	.	—
Mason & Parker, .	Toys and garden tools	32	3	—	—	Good, .	None,	.	.	.	.	—
C. O. Green & Co.,	Tannery, . . .	15	—	—	—	Good, .	None,	.	.	.	.	—
G. N. Goodspeed,	Machinery, . .	14	—	—	—	Good, .	None,	.	.	.	.	—
D. B. Whitney, .	Woodworking machinery.	25	—	—	—	Good, .	None,	.	.	.	.	—
C. W. & W. H. Castle,	Butter stamp and tags.	5	—	—	—	Good, .	None,	.	.	.	.	—
C. W. Day & Son,	Brush and tool handles.	18	—	—	—	Good, .	None,	.	.	.	.	—
Wendel P. Clark, .	Wood chairs, .	30	—	—	—	Good, .	None,	.	.	.	.	—
WORCESTER.												
Wright & Colton,	Wire cloth, . .	80	—	—	6	Good, .	None,	.	.	.	.	—
Hall Heeling Co.,	Heeling sheets, .	3	12	—	—	Good, .	None,	.	.	.	.	—
J. C. Green, . .	Warps, . . .	8	—	—	—	Good, .	None,	.	.	.	.	—
The Thayer Mill,	Woollen suitings,	95	50	—	5	Good, .	None,	.	.	.	.	—
The Darling Mill,	Satinets, . . .	21	15	—	1	Good, .	None,	.	.	.	.	—
The Hunt Mill, .	Satinets, . . .	23	16	—	—	Good, .	None,	.	.	.	.	—
L. D. Thayer Manuf'g Co.,	Tapes, . . .	6	69	—	—	Good, .	None,	.	.	.	.	—
The Worcester Thread Co.,	Shoe thread, .	15	25	—	3	Good, .	Post time table,	.	.	.	.	Complied.
Worcester Machine Screw Co.,	Screws, . . .	85	—	—	—	Good, .	None,	.	.	.	.	—
Worcester Wringer Co.,	Mops and pails, .	5	—	—	—	Good, .	None,	.	.	.	.	—
J. E. Windel,	Cloth folders, .	3	—	—	—	Good, .	None,	.	.	.	.	—
Witherby, Rugg & Richardson,	Woodworking machinery.	18	—	—	—	Good, .	None,	.	.	.	.	—
Waverly Shoe Co.,	Boots and shoes, .	35	15	—	—	Good, .	None,	.	.	.	.	—
P. Blaisdell & Co.,	Machinery, . .	35	—	—	—	Good, .	None,	.	.	.	.	—

DISTRICT No. 5 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WORCESTER — Continued.								
Worcester Bleach & Dye Works,	Bleaching and dyeing.	50	—	—	—	Good, .	None, .	—
Hopeville Mill,	Satinets,	22	23	—	—	Good, .	None, .	—
M. J. Whittall,	Carpets,	205	80	—	12	Good, .	None, .	—
Forehand Arms Co.,	Firearms,	25	—	—	—	Good, .	Guard engine crank, .	Complied.
Geo. S. Boutell,	Picture frames,	3	—	—	—	Good, .	None, .	—
J. W. Loring & Son,	Cabinet work,	11	—	—	—	Good, .	None, .	—
E. Mead,	Papier maché,	4	—	—	—	Good, .	None, .	—
W. W. Knight,	Printing,	11	—	—	—	Good, .	None, .	—
Reed & Prince,	Rivets,	35	3	—	—	Good, .	Designate water-closet, .	Complied.
Knowles' Loom Works,	Looms,	400	—	—	—	Good, .	None, .	—
P. E. Somers,	Tacks,	14	—	—	—	Good, .	None, .	—
Bay State Stamping Co.,	Sheet metal workers.	6	—	—	—	Good, .	None, .	—
Union Water Meter Co.,	Water meters,	38	—	—	—	Good, .	None, .	—
Richardson Machinery Co.,	Machinery,	6	—	—	—	Good, .	None, .	—
Rice, Barton & Fales,	Printing mach'y,	150	—	—	—	Good, .	None, .	—
Piedmont Mill,	Satinets,	30	22	—	—	Fair, .	None, .	—
L. W. Pond Machine Co.,	Planers,	15	—	—	—	Good, .	None, .	—
Ætna Knitting Co.,	Hosiery,	10	40	—	3	Good, .	None, .	—
Howard Bros.,	Card clothing,	24	6	—	—	Good, .	None, .	—

Worcester Carpet Co.,	.	Carpets and rugs,	145	180	—	47	Good,	.	None,	.	.	.	—
Thomas & Co.,	.	Cabinet work,	20	—	—	—	Good,	.	None,	.	.	.	—
A. L. Bemis,	.	Pattern maker,	4	—	—	—	Good,	.	None,	.	.	.	—
Adams Electric Co.,	.	Dynamos,	5	—	—	—	Good,	.	None,	.	.	.	—
Stewart Boiler Works,	.	Boilers,	40	—	—	—	Good,	.	None,	.	.	.	—
W. H. Hill Envelope Co.,	.	Envelopes,	45	41	—	—	Good,	.	None,	.	.	.	—
Abraham Israel,	.	Underwear,	3	9	—	—	Good,	.	None,	.	.	.	—
E. N. Dean,	.	Heels,	8	158	—	—	Good,	.	None,	.	.	.	—
Washburn & Moen, Grove Street,	.	Wire works,	1,547	77	—	—	Good,	.	None,	.	.	.	—
Logan, Swift & Brigham,	.	Envelopes,	28	122	—	—	Good,	.	Post time table,	.	.	.	Complied.
Whitcomb Envelope Co.,	.	Envelopes,	40	185	—	—	Good,	.	None,	.	.	.	—
Washburn & Moen,	.	Wire works,	1,511	11	—	—	Good,	.	Procure school certificate,	.	.	.	Complied.
Excelsior Cutlery Co.,	.	Razors,	14	—	—	—	Fair,	.	None,	.	.	.	—
J. S. Wesby & Son, Foster Street,	.	Book bindery,	13	14	—	—	Good,	.	Better egress; reported to Mr. Dyson,	.	.	.	Complied.
Morgan Spring Co.,	.	Springs,	150	—	—	—	Good,	.	None,	.	.	.	—
O. M. Dean,	.	Brushes,	7	—	—	—	Good,	.	None,	.	.	.	—
Worcester Envelope Co.,	.	Envelopes,	12	35	—	—	Good,	.	Procure school certificate,	.	.	.	Complied.
Johnson & Bassett,	.	Spinning mach'ry,	20	—	—	—	Good,	.	None,	.	.	.	—
Gardner & Porter,	.	Lasts,	45	—	—	—	Good,	.	Post time table; turn up Apley feeds,	.	.	.	Complied.
The Fox Mill,	.	Satinets,	27	23	—	—	Good,	.	None,	.	.	.	—
Graton & Knight,	.	Tannery,	180	—	—	—	Good,	.	None,	.	.	.	—
Bliss & Co.,	.	Slippers,	8	10	—	—	Good,	.	None,	.	.	.	—
Worcester Counter Co.,	.	Moulded counters,	97	6	—	—	Good,	.	None,	.	.	.	—
Myrick & Shepard,	.	Heels,	2	38	—	—	Good,	.	Keep elevator gates closed,	.	.	.	—
Worcester Slipper Co.,	.	Slippers,	10	10	—	—	Good,	.	Designate water-closet,	.	.	.	Complied.
Walker & Brown,	.	Boots and shoes,	41	14	—	—	Good,	.	None,	.	.	.	—
The Ruddy Thread Co.,	.	Thread,	16	37	—	—	Good,	.	None,	.	.	.	—
Mason Brush Works,	.	Brushes,	5	10	—	—	Good,	.	None,	.	.	.	—
Williams & Whittemore,	.	Boxes,	10	25	—	—	Good,	.	None,	.	.	.	—
Eureka Manufacturing Co.,	.	Shoes and gaiters,	7	5	—	—	Good,	.	Provide another water-closet; post time table.	.	.	.	Complied.

DISTRICT No. 5 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
WORCESTER — Continued.									
A. C. Hildreth,	Overalls and jumpers.	5	50	—	—	Good,	None, . . . .	. . . .	—
A. B. Brunell,	Plating,	13	2	—	—	Fair,	Post time table, . . . .	. . . .	Complied.
Worcester Ferrule Co.,	Steel press work,	20	2	—	—	Good,	None, . . . .	. . . .	—
W. H. Burns,	Underwear,	15	285	—	—	Good,	None, . . . .	. . . .	—
Harrington & Richardson,	Pistols,	280	—	—	5	Good,	Post time table, . . . .	. . . .	Complied.
Hutchins' Narrow Fabric,	Tapes,	7	33	—	—	Good,	None, . . . .	. . . .	—
H. M. Whittier,	Tapes,	5	35	—	—	Good,	Post time table, . . . .	. . . .	Complied.
Empire Steam Laundry,	Laundry work,	2	7	—	—	Good,	None, . . . .	. . . .	—
The Post Printing Co.,	Publishers,	25	—	—	—	Good,	None, . . . .	. . . .	—
The City Steam Laundry,	Laundry work,	3	12	—	—	Good,	None, . . . .	. . . .	—
Charles Baker,	House finish,	100	—	—	—	Good,	None, . . . .	. . . .	—
Henry Brannon,	Cabinet work,	10	—	—	—	Good,	None, . . . .	. . . .	—
Chas. F. Darling,	Cigar boxes,	3	7	—	—	Good,	None, . . . .	. . . .	—
Thomas Smith,	Iron work,	25	—	—	—	Good,	None, . . . .	. . . .	—
The National Manufacturing Co.,	Wire goods,	23	75	—	5	Good,	None, . . . .	. . . .	—
Clement & Searls,	House finish,	12	—	—	—	Good,	None, . . . .	. . . .	—
H. C. Fish,	Heaters,	13	—	—	—	Good,	None, . . . .	. . . .	—
The Wire Goods Co.,	Wire goods,	50	25	—	—	Good,	None, . . . .	. . . .	—
Thos. C. Orndorff,	Ammunition belts,	7	5	—	—	Good,	Provide water-closet for females, . . . .	. . . .	Complied.
Hobbs Manufacturing Co.,	Box machinery,	37	—	—	—	Good,	None, . . . .	. . . .	—

Globe Corset Co.,	Corsets,	5	25	—	—	Good,	Post time table,	Complied.
Heywood Boot & Shoe Co.,	Boots and shoes,	130	70	5	—	Good,	None,	—
Mason, Risch Vocalion Co.,	Organs,	37	3	—	—	Good,	Post time table,	Complied.
Amer. Card Clothing Co.,	Card clothing,	33	7	—	—	Good,	None,	—
Hamblin & Russell,	Wire goods,	50	50	1	—	Good,	None,	—
John J. Griffin,	Mattresses,	14	4	—	—	Good,	Provide guard rail for back stairs,	Complied.
J. S. Wesby & Son, Main Street,	Printing,	6	4	1	—	Good,	None,	—
E. J. Somers,	Tacks,	10	—	—	—	Good,	Repair elevator gate,	Complied.
F. S. Blanchard,	Printing,	26	2	—	—	Good,	None,	—
Geo. C. Whitney,	Valentines,	30	100	1	—	Good,	None,	—
K. Miller,	Clothing,	10	5	—	—	Fair,	Repair water-closet; post time table,	Complied.
Ella H. Eddy,	Gaiters,	2	18	—	—	Good,	None,	—
Maynard Gough Co.,	Registers,	10	—	—	—	Good,	None,	—
William Allen & Son,	Boilers,	125	—	—	—	Good,	Post time table,	Complied.
Crompton Loom Works,	Looms,	422	3	—	—	Good,	None,	—
J. W. Brigham,	Boots and shoes,	55	20	1	—	Good,	None,	—
Cates Clipper Co.,	Clippers,	38	—	—	—	Good,	Post time table,	Complied.
David Cummings & Co.,	Boots and shoes,	60	15	—	—	Good,	None,	—
Goddard, Stone & Co.,	Boots and shoes,	235	40	8	—	Good,	None,	—
Charles F. Kent,	Card clothing,	9	2	—	—	Good,	Post time table; designate water-closet,	Complied.
Bay State Shoe & Leather Co.,	Boots and shoes,	97	63	—	—	Good,	None,	—
Cleveland Machine Co.,	Machinery,	15	—	—	—	Good,	None,	—
The Hammond Reed Co.,	Organ reeds,	35	7	—	—	Good,	None,	—
The Brown-Simpson Piano & Organ Co.,	Pianos and organs,	85	—	—	—	Good,	None,	—
The Glasco Thread Co.,	Thread,	14	58	—	—	Good,	None,	—
The Worcester Corset Co.,	Corsets,	25	325	28	—	Good,	None,	—
G. W. Ingalls & Co.,	Organ reeds,	12	8	—	—	Good,	None,	—
O. B. Wood,	Printer,	17	3	—	—	Good,	None,	—
Williams Bros.,	Boxes,	22	15	1	—	Good,	None,	—

DISTRICT NO. 5 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WORCESTER — <i>Concluded.</i>								
James H. Whittle, . . .	Sheet-metal mill-work.	23	—	—	—	Good, .	Post time table, .	Complied.
Winslow Skate Co., . . .	Skates, . . .	200	—	—	3	Good, .	None, .	—
Hubly Manufacturing Co., .	Shoddy stock, .	10	15	—	—	Fair, .	None, .	—
M. E. Shattuck Cigar & Tobacco Co.	Cigars, . . .	25	12	—	—	Good, .	None, .	—
Troy Laundry, . . .	Laundry work, .	2	10	—	—	Good, .	None, .	—
Rawson & Simpson, . . .	Cigars, . . .	21	6	—	—	Good, .	Post time table, .	Complied.
The J. J. Warren Co., . .	Leather goods, .	62	18	—	7	Good, .	None, .	—
C. B. Cook Laundry, . . .	Laundry work, .	9	21	—	—	Good, .	None, .	—
Spies Manufacturing Co, . .	Bicycles, . . .	75	—	—	—	Good, .	Repair elevator, .	Complied.
William Hyland, . . .	Mattresses, . .	19	11	—	—	Good, .	None, .	—
Holyoke Machine Co., . .	Turbine wheels, .	175	—	—	—	Good, .	None, .	—
J. E. Wesson Shoe Co., .	Boots and shoes, .	50	25	—	3	Good, .	None, .	—
Henry E. Dean, . . .	Brooms, . . .	7	—	—	—	Good, .	None, .	—
Bickford & Sweet, . . .	Novelties in foot wear.	6	9	—	—	Good, .	Post time table, .	Complied.
Mawhiney Last Co., . . .	Lasts, . . .	30	—	—	—	Good, .	None, .	—
H. A. Bowman, . . .	Awnings, . . .	3	4	—	—	Good, .	None, .	—
H. O. Hudson, . . .	Leather belts, .	30	—	—	—	Good, .	None, .	—
Marden & Drury, . . .	Heels, . . .	2	15	—	—	Good, .	None, .	—

J. F. Fowks,	Harnesses, .	3	4	—	—	Fair, .	None,	.	.	.	—
Worcester Pants Co.,	Pants, .	15	18	—	—	Good, .	None,	.	.	.	—
Whitcomb & Miles,	Boots and shoes,	65	15	—	—	Good, .	None,	.	.	.	—
Geo. G. Davis,	Printer,	13	—	—	—	Good, .	None,	.	.	.	—
W. H. Warren Machine Co.,	Radial drills,	15	—	—	—	Good, .	None,	.	.	.	—
R. T. Torkelson,	Sporting guns,	16	—	—	—	Good, .	Post time table,	.	.	.	Complied.
Wheelock Engine Co.,	Steam engines,	25	—	—	—	Good, .	None,	.	.	.	—
Worcester Woollen Mill,	Cassimeres,	125	140	—	—	Good, .	None,	.	.	.	—
Naphtha Laundry,	Cleansing,	4	1	—	—	Good, .	Post time table,	.	.	.	Complied.
Hass Bros.,	Laundry work,	2	4	—	—	Good, .	Post time table; designate water-closet.	.	.	.	Complied.
The Southgate Woollen Mill,	Satinets,	25	14	—	—	Good, .	None,	.	.	.	—
Western Union Telegraph,	Telegraph,	9	—	—	—	Good, .	Post time table,	.	.	.	Complied.
Postal Telegraph & Cable Co.,	Telegraph,	5	—	—	—	Good, .	Post time table,	.	.	.	Complied.
Smith's Mill,	Satinets,	31	14	—	—	Good, .	None,	.	.	.	—
Williams' Mill,	Satinets,	25	15	—	—	Good, .	None,	.	.	.	—
White, Peavey & Dexter Co.,	Pork packing,	180	—	—	—	Good, .	Post time table,	.	.	.	Complied.

REPORT OF INSPECTOR TIERNEY.

DEAR SIR:—I have the honor to report to you the operations of the laws relating to the employment of labor, inspection of factories, workshops and mercantile establishments, which I am directed to enforce in District No. 6, which comprises Barnstable, Bristol, Nantucket and Dukes counties.

The laws of this Commonwealth which I as an inspector am called upon to enforce are being well complied with in this district. There is a disposition on the part of the employers to comply cheerfully with the requirements of the statutes regarding the employment of labor. I find that superintendents and overseers are coming to the conclusion that the factory laws are a benefit to them, instead of a hindrance, as they at first supposed they would be.

In regard to the law relating to hours of labor for women and minors, a case of overtime is seldom found or ever reported nowadays in this district. The manufacturers are doing all they can to comply with the laws of our State, and I am not saying too much when I say the manufacturing establishments of this district comply with all our labor laws as well as could be looked for. I have had but few complaints the past year for running overtime, and the most of them were from parties that had some trouble with their employers, and wanted to get even with them. Upon investigating the cases I found no grounds for complaint. One complaint for running overtime was against the Bristol Manufacturing Company of New Bedford, for the employment of women and minors under eighteen years of age for a longer time in one day than was stated on the time notices. They were brought into court, and fined fifty dollars and costs for the same.

I am glad to state that in relation to the employment of children the manufacturers are careful not to employ any under fourteen years of age, and in this district we do not have over six thus employed. I find in nearly all manufacturing concerns in this district, where children are employed, a desire on the part of those persons employing them to live up to the laws. I find but few minors under sixteen years of age who do not have certificates. Evening schools during the last season were well attended, and bid fair to have as good attendance this.

The act in regard to bolting or locking doors in buildings wherein operatives are employed, so as to prevent free egress in case of fire during the hours of labor, is generally complied with in this district.

In compliance with instructions, I have given much time to the inspection of elevators, and the result of those inspections has shown the necessity of the same. Many have said to me, "My elevator is all right," yet when it came to the test they were found entirely useless as to means of safety. This is especially true of the pawl and ratchet. They cannot be too often tested. In my tests I have found the clutch much more reliable than the pawl and ratchet. In my opinion, all rope elevators should be supplied with two or more hoisting ropes. I do not approve of the single-rope elevators, as I think they are unreliable, and should be condemned. In regard to the guarding of elevator openings, none are without some provision. In all cases where the openings were not so supplied, I have ordered self-closing hatches or automatic gates.

A glance at the tabulated report will show that an inspector's work is never complete, especially in the matter of the guarding of machinery, openings of hoistways, hatchways, elevators, etc. Gearing and cog-wheels when found exposed have been ordered boxed up, so as to prevent any one by carelessness or design from the possibility of getting caught in them, and if properly covered they will last longer, need less oil and run much more smoothly. The laws in relation to the guarding of machinery have been very generally complied with. There have been very few accidents in this district during the past year. In most cases where accidents have happened I think the cause has been want of proper care on the part of the ones injured. Employers and owners of machinery, although well aware that guards are necessary, and will be required by the inspector, neglect to provide them until directed to do so by the inspector. A marked change has taken place during the past year in the practices of the manufacturers of machinery, a large portion of their product having the dangerous parts covered before delivery.

The sanitary condition of our factories and workshops is a matter of great importance, for on this depends to a great extent the health, well-being and energy of the operatives. I am pleased to be able to report that during the past year much improvement has been made in this direction in very many of our manufacturing establishments in this district, especially in the old cotton mills of Fall River, New Bedford and Taunton, where I have found it necessary in a few instances to require additional sanitariums. In rooms where there were one hundred and fifty operatives or more, with only one closet, for each six cases of this kind I have ordered two closets for each sex; and in all cases where convenient I have had the closets for females made separate and apart from the closets used by the males; all of which orders have either been

complied with or are in process of construction. Also, when I find an architect making plans for a new manufacturing establishment, I look them over with regard to water-closets; and in a great many cases where they have made provisions for one tower for water-closets and I find a large number of persons are to be employed on each floor, I have ordered them to alter the plans and put in two towers, so that there shall be one closet for every forty persons or a fractional part of that number, and I think this should be so in every case.

The law requiring all manufacturers, manufacturing corporations and proprietors of mercantile establishments to send to the chief of the district police a written notice of all accidents has been thoroughly enforced.

In conclusion, I would say that there has been but little friction in carrying out the spirit and letter of the various laws enacted for the safety and comfort of employees, and which also contribute to the profit and peace of mind of the employers. I am very happy to state in my second annual report that the courtesy shown to the inspector of this district by the manufacturers and officers, and their general readiness to carry out any suggestions made or orders given, are very gratifying.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
FALL RIVER.									
American Lilen Co , . . .	Print cloths, . .	375	550	—	65	Good, . .	Cover up gears, . .	Complied.	
Annawan Manufactory, . .	Print cloths, . .	35	65	—	67	Good, . .	None, . .	—	
Barnaby Manufacturing Co.,	Fine cotton goods, . .	250	300	—	13	Good, . .	None, . .	—	
Barnard Manufacturing Co.,	Print cloths, . .	200	180	—	44	Good, . .	None, . .	—	
Border City Manufacturing Co.,	Specialties, . .	550	550	—	107	Good, . .	None, . .	—	
Chace Mills, . . .	Print cloths, . .	220	280	—	39	Good, . .	Post time notice; file school certificates.	Complied.	
Conanicut Mills, . . .	Fine cotton goods, . .	85	82	—	15	Good, . .	Box up mule heads, . .	Complied.	
Cornell Mills, . . .	Print cloths, . .	235	235	—	43	Good, . .	None, . .	—	
Darol Mills, . . .	Fancy cotton goods, . .	150	275	—	26	Good, . .	None, . .	—	
Durfee Mills, Nos. 1, 2 and 3, . .	Print cloths, . .	500	600	—	84	Fair, . .	Box up pulleys; new doors on water-closets; put in new water-closets.	Complied.	
Fall River Iron Works Co., . .	Print cloths, . .	729	921	—	80	Good, . .	Post time notice, . .	Complied.	
Fall River Manufactory, . . .	Print cloths, . .	105	195	—	19	Fair, . .	Remove set screws; put in water-closets.	Complied.	
Flint Mills, . . .	Cotton goods to order.	225	275	—	52	Good, . .	Put new gears on elevator, . .	Complied.	
Globe Yarn Mills, Nos. 1, 2 and 3,	Fine cotton yarns, . .	425	600	—	105	Good, . .	Box up mule heads; file school certificates.	Complied.	

DISTRICT No. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.		14 to 16.				
		Males.	Females.					
FALL RIVER — <i>Continued.</i>								
Granite Mills, Nos. 1, 2 and 3, .	Cotton goods to order.	550	600	—	67	Good, .	Post time notice; provide seats for women.	Complied.
Hargraves' Mill, No. 1, .	Cotton goods to order.	250	250	—	33	Good, .	Post time notice; file school certificates.	Complied.
Hargraves' Mill, No. 2, .	Cotton goods to order.	182	195	—	22	Good, .	Post time notice,	Complied.
Kerr Thread Co.,	Fine yarns,	211	226	61	42	Good, .	Remove set screws,	Complied.
Laurel Lake Mills,	Print cloths,	285	200	—	28	Good, .	Box up mule heads,	Complied.
Mechanics' Mills,	Print cloths,	250	300	61	53	Fair, .	Clean and whitewash water-closets; put light in same; box up balance wheel on engine.	Complied.
Merchants' Manufacturing Co., .	Print cloths,	300	500	—	73	Fair, .	Repair elevator,	Complied
Metacomet Manufacturing Co., .	Print cloths,	270	180	—	20	Fair, .	None,	—
Narragansett Mills, C,	Jeans and sateens,	150	250	—	51	Fair, .	Put fans in water-closets and clean same.	Complied.
Osborn Mills, Nos. 1 and 2, .	Print cloths,	400	450	—	39	Good, .	Remove set screws; put in seats for women; new water-closets.	Complied.
Pocasset Manufacturing Co., .	Fine cotton goods,	300	500	—	51	Good, .	None,	—
Richard Borden Manuf'g Co., .	Print cloths,	300	500	—	65	Fair, .	Box up mule heads; put in new water-closets.	Complied.
Robeson Mills,	Print cloths,	100	200	—	17	Fair, .	Cover up gears; put in new water-closets.	Complied.

Sagamore Manufacturing Co.,	Print cloths, .	350	450	66	Good, .	None, .	Complied.
Seacommet Mills, .	Print cloths, .	200	250	38	Fair, .	Clean and whitewash water-closets,	Complied.
Shove Mills, .	Print cloths, .	275	300	35	Good, .	Post time notice; designate water-closets.	Complied.
Slade Mills, .	Print cloths, .	275	300	29	Fair, .	Designate water-closets, .	Complied.
Stafford Mills, .	Print cloths, .	395	400	71	Good, .	Box up mule heads, .	Complied.
Tecumseh Mills, Nos. 1 and 2,	Print cloths, .	200	300	23	Good, .	Put fans in water-closets, .	Complied.
Troy C. & W. Manufactory,	Cotton goods to order.	165	215	27	Good, .	Box up belt; post time notice, .	Complied.
Union Cotton Manuf'g Co.,	Prints and wide goods.	500	500	74	Good, .	Cover up gears, .	Complied.
Wampanoag Mills, .	Prints and fine goods.	300	500	44	Good, .	Box up mule heads, .	Complied.
Weetamoe Mills, .	Prints and odd counts.	220	200	32	Good, .	Post time notice, .	Complied.
Algonquin Printing Co.,	Print calicos, .	100	15	11	Good, .	None, .	Complied.
American Printing Co.,	Print calicos, .	500	65	65	Good, .	Box up pulleys; put in new water-closets.	Complied.
Fall River Bleachery, .	Bleach cotton goods.	173	42	14	Good, .	Box up pulleys, .	Complied.
Jesse Eddy Manuf'g Co.,	Woolen cloth, .	80	70	8	Good, .	Designate water-closets, .	Complied.
Union Belt Co., .	Belts, .	26	2	5	Good, .	Repair elevator, .	Complied.
James Marshall, .	Men's felt hats, .	194	168	9	Good, .	Box up pulleys; guard belt and saw,	Complied.
Davis & Melane, .	Top rolls, .	14	3	2	Good, .	Post time notice, .	Complied.
Duglass Bros., .	Paper cap tubes, .	68	4	2	Good, .	None, .	Complied.
James Cork & Co., .	Loom reeds, .	10	—	2	Good, .	None, .	Complied.
Belmont Manufacturing Co.,	Twines and ballings.	40	50	8	Good, .	Post time notice, .	Complied.
Stevens' Manufacturing Co.,	Bed spreads, .	63	60	10	Good, .	Box up pulley and gears; remove set screws.	Complied.
Sandford Spinning Co.,	Fine cotton yarns, .	100	260	22	Good, .	None, .	Complied.

DISTRICT NO. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
FALL RIVER — <i>Concluded.</i>									
Henry Langley, . . .	Reed harness, . . .	10	20	—	7	Good, . .	Cover up gears, . . .	Complied.	
Massasoit Manufacturing Co., . . .	Cotton batting, . . .	95	90	—	10	Good, . .	None, . . .	—	
Maple Street Laundry, . . .	Steam laundry, . . .	3	14	—	—	Good, . .	None, . . .	—	
Small Bros., . . .	Twines and bandings, . . .	34	—	—	7	Good, . .	Railing around hoistway, . .	Complied.	
American Supply Co., . . .	Reeds and harness, . . .	8	9	—	7	Good, . .	None, . . .	—	
Fall River Laundry, . . .	Steam laundry, . . .	35	95	—	5	Good, . .	Box up pulleys; repair elevator, . .	Complied.	
Metallic Comb Co., . . .	Metallic combs, . . .	5	9	—	2	Good, . .	None, . . .	—	
Congdon Scrims, . . .	Scrims, . . .	7	3	—	—	Good, . .	None, . . .	—	
Fall River Bobbin & Shuttle Co., . . .	Bobbins, . . .	88	1	—	5	Good, . .	Put new gates on elevator, . .	Complied.	
O. B. Wetherell & Son, . . .	Top rolls, . . .	17	3	—	—	Good, . .	Post time notice, . . .	Complied.	
Mary S. Webster, . . .	Loom harness, . . .	13	20	—	2	Good, . .	None, . . .	—	
J. F. Nicholes, . . .	Top rolls, . . .	2	3	—	3	Good, . .	None, . . .	—	
Barlow Cotton Waste Manufacturing Co., . . .	Cotton waste, . . .	20	30	—	3	Good, . .	Post time notice, . . .	Complied.	
N. & N. R. Lewis, . . .	Cotton waste, . . .	12	8	—	2	Good, . .	None, . . .	—	
John J. Haywood, . . .	Cotton banding, . . .	5	9	—	4	Good, . .	File school certificate, . .	Complied.	
George P. Fraper, . . .	Paper boxes, . . .	3	9	—	—	Good, . .	None, . . .	—	
David Howarth, . . .	Confectionery, . . .	2	3	—	3	Good, . .	None, . . .	—	
Coval & Osborn, . . .	Rope banding, . . .	11	2	—	3	Good, . .	Cover up gears, . . .	Complied.	
C. M. & G. Fraper, . . .	Paper cap tubes, . . .	4	4	—	4	Good, . .	None, . . .	—	
Howarth & Watson, . . .	Paper cap tubes, . . .	13	2	—	3	Good, . .	None, . . .	—	

Empire Laundry,	Steam laundry,	2	8	3	Good,	None,	Post time notice,	Complied.
Joseph Wild,	Brushes,	5	4	2	Good,	Post time notice,	Post time notice,	Complied.
Goss Bros.,	Cotton rope,	4	4	1	Good,	Post time notice,	Post time notice,	Complied.
Daily News,	Newspaper,	27	5	2	Good,	None,	None,	Complied.
Fisk Job Printers,	Job printing,	4	6	1	Good,	File school certificate,	File school certificate,	Complied.
James Lawlers,	Job printing,	4	1	—	Good,	None,	None,	—
Hathaway, Bourbonnier & Co.,	Book and job printing,	3	2	—	Good,	None,	None,	—
John D. Munro,	Job printing,	6	4	5	Good,	None,	None,	—
Fall River Daily Globe,	Newspaper,	35	9	—	Good,	None,	None,	—
Fall River Daily Herald,	Newspaper,	24	4	1	Good,	None,	None,	—
Newton R. Earl,	Bookbinder,	7	3	3	Good,	None,	None,	—
J. H. Franklin & Co.,	Stationery,	9	3	2	Good,	None,	None,	—
Le Independant,	Job printing,	18	4	3	Good,	None,	None,	—
J. H. Estis & Son,	Cotton twine,	40	35	5	Good,	Post time notice,	Post time notice,	Complied.
F. Eastwood,	Ginghams,	8	8	7	Good,	None,	None,	—
National Laundry,	Steam laundry,	55	20	4	Good,	None,	None,	—
Mark Cummings,	Top rolls,	26	5	4	Good,	None,	None,	—
C. F. Hill,	Top rolls,	5	2	3	Good,	None,	None,	—
ATTLEBOROUGH.								
Bats & Bacon,	Jewelry,	115	10	1	Good,	File school certificate,	File school certificate,	Complied.
W. & S. B. Blackinton,	Jewelry,	67	35	2	Good,	File school certificate; box up pulleys,	File school certificate; box up pulleys,	Complied.
Dagget & Clap,	Jewelry,	40	12	—	Good,	None,	None,	—
Nelson Carpenter,	Jewelry,	4	2	—	Good,	None,	None,	—
Dolon & Co.,	Jewelry,	10	5	1	Good,	None,	None,	—
Ellisu, Livsey & Brown,	Jewelry,	33	17	—	Good,	None,	None,	—
W. E. Sandford,	Enamel trimmings,	4	8	—	Good,	None,	None,	—
D. F. Briggs & Co.,	Jewelry,	32	23	—	Good,	Post time notice,	Post time notice,	Complied.
Simmes & Co.,	Jewelry,	5	6	—	Good,	None,	None,	—
S. W. Gould & Co.,	Jewelry,	10	2	—	Good,	None,	None,	—

DISTRICT No. 6—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
ATTLEBOROUGH — <i>Concluded.</i>									
Watson, Newell & Co.,	Jewelry,	100	100	—	1	Good,	File school certificate,	Complied.	
Hayward & Sweet,	Jewelry,	18	2	—	—	Good,	Post time notice; box up pulleys,	Complied.	
Louis J. Lamb,	Coffin studs,	11	7	—	—	Good,	Post time notice,	Complied.	
F. W. Weyer & Co.,	Jewelry,	19	6	—	—	Good,	None,	—	
J. M. Fisher,	Jewelry,	37	6	—	—	Fair,	None,	—	
Marsh & Rigney,	Jewelry,	25	5	—	—	Fair,	None,	—	
Rignel, Bigney & Co.,	Jewelry,	40	20	—	1	Fair,	File school certificate,	Complied.	
Short, Nerrey & Co.,	Jewelry,	41	9	—	—	Good,	Post time notice,	Complied.	
H. Wexell,	Jewelry,	21	9	—	—	Good,	None,	—	
J. W. Cummings,	Jewelry,	21	15	—	—	Good,	None,	—	
E. T. Bright,	Enameller,	8	11	—	1	Good,	File school certificate,	Complied.	
Mossberg Manufacturing Co.,	Jewelry tools,	76	4	—	—	Good,	Post time notice; designate water-closets.	Complied.	
Attleborough Watch Pendant Co.,	Watch cases,	10	5	—	—	Good,	Post time notice,	Complied.	
C. A. Wetherell & Co.,	Jewelry,	44	6	—	1	Good,	Box up pulley; file one school certificate.	Complied.	
R. F. Simmons & Co.,	Jewelry,	80	20	—	—	Good,	Box up pulleys and gears,	Complied.	
J. F. Foley,	Jewelry,	11	3	—	—	Good,	None,	—	
A. A. Bushee & Co.,	Jewelry,	20	15	—	2	Fair,	Put in new water-closets; file school certificate.	—*	
E. A. Robinson,	Jewelry,	10	3	—	—	Bad,	Put in new water-closets,	Complied.	
Horton, Angell & Co.,	Jewelry,	61	30	—	—	Bad,	Box up pulleys,	Complied.	

W. D. Willmarth & Co.,	Coffin trimmings,	13	15	—	Good,	None,	.	.	.	.	Complied.
Streeter Bros.,	Jewelry,	7	5	—	Good,	None,	.	.	.	.	—
Wheaton, Richards & Co.,	Jewelry,	10	2	—	Fair,	None,	.	.	.	.	—
J. T. Inman & Co.,	Jewelry,	9	2	—	Fair,	None,	.	.	.	.	—
F. H. Sadler & Co.,	Jewelry,	8	7	—	Fair,	None,	.	.	.	.	—
Smith & Crosby,	Jewelry,	21	5	—	Fair,	None,	.	.	.	.	—
W. H. Willmarth & Co.,	Jewelry,	40	35	1	Good,	None,	.	.	.	.	—
Smith, Carpenter & Co.,	Coffin trimmings,	7	6	—	Good,	None,	.	.	.	.	—
Blake & Clafin,	Jewelry,	25	2	—	Good,	None,	.	.	.	.	—
G. A. Dean & Co.,	Jewelry,	23	7	—	Good,	Box up gears; designate water-closets.	.	.	.	.	Complied.
D. A. Makepeace,	Jewelry,	12	4	—	Good,	None,	.	.	.	.	—
Hebron Mills,	Cotton cloth,	141	100	25	Good,	Cover up gears,	.	.	.	.	Complied.
Dodgevill Mills,	Cotton cloth,	152	88	22	Good,	Designate water-closets,	.	.	.	.	Complied.
NORTH ATTLEBOROUGH.											
O. M. Draper,	Jewelry,	35	50	—	Good,	None,	.	.	.	.	—
E. J. Richards,	Jewelry,	63	7	—	Good,	Box up pulleys,	.	.	.	.	Complied.
H. D. Meritt & Co.,	Jewelry,	45	15	—	Good,	None,	.	.	.	.	—
T. J. Smith & Co.,	Jewelry,	49	20	—	Good,	None,	.	.	.	.	—
John F. Bonnett,	Jewelry,	6	2	—	Good,	None,	.	.	.	.	—
G. W. Chever,	Jewelry,	33	12	—	Good,	None,	.	.	.	.	—
F. S. Gillbert,	Jewelry,	16	4	—	Good,	None,	.	.	.	.	—
S. E. Fisher & Co.,	Jewelry,	46	4	—	Good,	None,	.	.	.	.	—
Sandland, Capron & Co.,	Jewelry,	42	3	—	Good,	None,	.	.	.	.	—
D. E. Coding & Co.,	Jewelry,	10	13	—	Good,	Box up gears,	.	.	.	.	Complied.
E. F. Franklin & Co.,	Jewelry,	57	3	—	Good,	None,	.	.	.	.	—
R. Blackinton & Co.,	Jewelry,	32	8	—	Good,	None,	.	.	.	.	—
G. K. Webster,	Jewelry,	35	5	—	Good,	Post time notice,	.	.	.	.	Complied.

* Partly complied with.

DISTRICT NO. 6—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
NO. ATTLEBOROUGH — <i>Concluded.</i>									
Coddling Bros., . . .	Jewelry,	20	10	—	Good.	None,	. . .	—	
Thomas Totton & Co., . .	Jewelry,	55	20	—	Good.	None,	. . .	—	
Riley, French & Hefferon, .	Jewelry,	46	9	—	Good.	None,	. . .	—	
French & Franklin, . . .	Jewelry,	18	2	—	Good.	Post time notice,	. . .	Complied.	
Cutler & Lull, . . .	Jewelry,	22	8	—	Good.	None,	. . .	—	
John Burningham, . . .	Enameller,	3	8	—	Good.	None,	. . .	—	
H. H. Curtis & Co., . . .	Jewelry,	43	2	—	Good.	None,	. . .	—	
J. B. Schneckhardt & Co., .	Jewelry,	3	8	—	Good.	None,	. . .	—	
F. L. Shepardson & Co., .	Jewelry,	5	2	—	Good.	Post time notice,	. . .	Complied.	
Young & Sternes, . . .	Jewelry,	33	12	—	Good.	None,	. . .	—	
J. G. Cheever & Co., . . .	Jewelry,	9	6	—	Good.	Box up pulleys,	. . .	Complied.	
F. M. Whitin & Co., . . .	Silverware,	77	3	—	Good.	Post time notice; box up pulleys,	. . .	Complied.	
Bugbee & Niles, . . .	Jewelry,	23	5	—	Good.	Box up pulleys,	. . .	Complied.	
Sandland, Palmer & Peckham,	Jewelry,	10	2	—	Good.	Box up pulleys,	. . .	Complied.	
H. H. Bliss & Co., . . .	Jewelry,	2	18	—	Good.	Designate water-closet,	. . .	Complied.	
A. Schelling, . . .	Jewelry,	4	6	—	Good.	Post time notice,	. . .	Complied.	
Crandall & Pardee, . . .	Jewelry,	7	3	—	Good.	None,	. . .	—	
Co-operative Manufacturing Co.,	Jewelry,	22	3	—	Good.	None,	. . .	—	
T. G. Trothingham, . . .	Jewelry,	15	5	—	Good.	None,	. . .	—	
H. F. Barrowes & Co., . .	Jewelry,	39	11	—	Good.	Post time notice,	. . .	Complied.	
Evening Chronicle, . . .	Newspaper,	15	3	—	Good.	None,	. . .	—	
W. C. Babcock, . . .	Paper boxes,	1	5	—	Good.	None,	. . .	—	

		Enameller,	6	2	-	Good,	Post time notice,	.	Complied.
J. B. Maintien & Son,	.	Jewelry,	16	4	-	Good,	None,	.	-
B. B. Brady,	.	Enameller,	4	6	-	Good,	Post time notice,	.	Complied.
C. E. Sandland,	.								
FALLS VILLAGE.									
Stanley Bros.,	.	Jewelry,	18	12	-	Good,	None,	.	-
Bell & Cobb,	.	Jewelry,	18	2	-	Good,	Box up pulleys,	.	Complied.
W. M. Fisher & Co.,	.	Jewelry,	5	5	-	Good,	Post time notice; box up pulleys,	.	Complied.
J. F. Strudy,	.	Jewelry,	6	6	-	Good,	None,	.	-
ATTLEBOROUGH FALLS.									
V. H. Blackinton,	.	Jewellers' novel-ties,	15	3	-	Good,	None,	.	-
R. S. Freeman & Co.,	.	Jewelry,	20	10	-	Good,	None,	.	-
W. G. Clark & Son,	.	Jewelry,	16	2	-	Good,	None,	.	-
Mason, Robbins & Co.,	.	Jewelry,	11	4	-	Good,	Post time notice,	.	Complied.
W. F. Briggs & Co.,	.	Jewelry,	20	15	-	Good,	None,	.	-
Gold Medal Braid Co.,	.	Dress braids,	43	44	-	Good,	None,	.	-
Mason Jewelry Co.,	.	Jewelry,	25	5	-	Good,	Post time notice,	.	Complied.
DIGHTON.									
E. T. Cowdrey & Co.,	.	Canned vegetables,	11	53	-	Good,	None,	.	-
NORTH DIGHTON.									
Mount Hope Mills,	.	Cotton yarns,	35	45	-	Good,	None,	.	-
MANSFIELD.									
Comey & Co.,	.	Felt and straw hats,	75	231	-	Good,	None,	.	-
Rumsey Bros.,	.	Ladies' shoes,	87	77	-	Good,	Designate water-closets,	.	Complied.
D. S. Spaulding,	.	Jewelry,	65	20	-	Good,	Box up pulleys and gears,	.	Complied.
Evans, Cobb & Co.,	.	Jewelry,	19	11	-	Good,	None,	.	-

DISTRICT NO. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
MANSFIELD — <i>Concluded.</i>								
S. W. Card,	Taps and dies, . .	53	2	—	—	Good, . .	None, . .	—
George McLouthlin & Co., .	Men's and boys' shoes.	12	3	—	2	Good, . .	Post time notice, . .	Complied.
Mansfield News,	Newspaper,	2	4	—	2	Good, . .	None, . .	—
S. W. Cabot & Son, . . .	Coffin trimmings, . .	8	4	—	2	Good, . .	None, . .	—
C. D. Lyons & Co., . . .	Jewelry,	15	10	—	2	Good, . .	None, . .	—
ORLEANS.								
Cummings & Hows, . . .	Men's clothing, . .	60	95	—	—	Good, . .	Box up shafting, . .	Complied.
George F. Snowes,	Men's pants and vests.	34	7	—	—	Good, . .	Post time notice, . .	Complied.
SANDWICH.								
Cape Cod Decorating Co., .	Decorating glass, . .	11	9	—	—	Good, . .	Post time notice, . .	Complied.
N. Packwood & Co., . . .	Cut glass,	32	2	—	—	Good, . .	Post time notice, . .	Complied.
Union Braid Co.,	Silk braid,	5	5	—	—	Good, . .	None, . .	—
Sandwich Card Co., . . .	Shipping cards, . . .	4	3	—	—	Good, . .	None, . .	—
Charles W. Spurr & Co., .	Pressed wood,	43	12	—	6	Good, . .	None, . .	—
NEW BEDFORD.								
Acushnet Mills,	Fine goods,	400	600	—	66	Good, . .	None, . .	—
Bennett Manufacturing Co.,	Fine cotton yarns, . .	250	250	—	73	Good, . .	None, . .	—
City Manufacturing Co., . .	Fine cotton yarns, . .	250	300	—	61	Good, . .	None, . .	—

Grinnell Manufacturing Co.,	330	400	—	28	Good.	None.	Complied.
Hathaway Manufacturing Co.,	424	428	—	48	Good.	Put in new water-closets,	Complied.
Howland Mills,	370	300	—	32	Good.	Cover up set screws; box up pulleys,	Complied.
New Bedford Manufacturing Co.,	125	175	—	29	Good.	Remove set screws,	Complied.
Potomska Mills,	500	600	—	74	Fair.	Put new rope on elevator; better sanitary arrangements.	Complied.
Wamsutta Mills,	1,010	1,000	—	120	Fair.	None.	—
Columbia Mills,	233	47	—	34	Good.	None.	—
Bristol Manufacturing Co.,	200	300	—	40	Good.	Put railing in front of crank on engine.	Complied.
Roch Spinning Co.,	282	75	—	40	Good.	Post time notice; designate water-closets.	Complied.
National Cordage Co.,	188	30	—	7	Good.	Box up pulleys and gears,	Complied.
Pierpoint Manufacturing Co.,	450	90	—	10	Good.	Designate water-closets,	Complied.
Mount Washington Glass Works,	420	30	—	20	Good.	None.	—
E. B. Tinkham,	30	20	—	—	Good.	None.	—
Pierce and Bushnell,	24	9	—	—	Good.	None.	—
Bay State Chair Co.,	24	2	—	5	Good.	Box up balance wheel; railing on stairways.	Complied.
Ullman Manufacturing Co.,	83	2	—	2	Good.	Post time notice,	Complied.
Pierce Manufacturing Co.,	250	225	—	15	Good.	None.	—
Hedge, Lewis & Co.,	6	9	—	2	Fair.	Put in water-closet for women,	Complied.
Reliance Manufacturing Co.,	4	5	—	3	Good.	Post time notice,	Complied.
D. A. Snell,	30	20	—	5	Good.	Box up gears; put railing on elevator hatchway.	Complied.
City Steam Laundry,	4	8	—	—	Good.	Box up belt and pulleys,	Complied.
Taber Art Co.,	110	40	—	1	Good.	Post time notice; clean and white-wash water-closets.	Complied.
T. M. Denham,	132	108	—	4	Good.	None.	—
New Bedford Evening Journal,	40	6	—	1	Good.	Box up pulleys; clean water-closets,	Complied.

DISTRICT NO. 6—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.			14 to 16.			
		Males.	Females.					
NEW BEDFORD — <i>Concluded.</i>								
Smith Bros., . . .	Glass decorators, .	28	12	—	2	Good, .	None, .	—
Oneka Woolen Mills, . . .	Woolen dress goods.	95	70	—	17	Good, .	Box up pulleys; file school certificates.	Complied.
Weeden Toy Manufacturing Co.,	Toys, . . .	40	10	—	8	Good, .	Post time notice, . . .	Complied.
G. W. Parson, . . .	Steam laundry, .	4	11	—	—	Good, .	Post time notice; box up pulleys, .	Complied.
New Bedford Evening Standard,	Newspaper, . . .	59	8	—	—	Good, .	Designate water-closets, . . .	Complied.
H. A. Hutchinson, . . .	Bookbinding, . .	2	4	—	—	Fair, .	Post time notice; put in new water-closets.	Complied.
New Bedford Steam Laundry, .	Steam laundry, .	5	20	—	—	Good, .	Post time notice; box up pulleys, .	Complied.
Haskell & Tripp, . . .	Dry goods, . . .	35	30	—	11	Good, .	None, . . .	—
E. B. Whiting & Co., . . .	Dry goods, . . .	14	16	—	11	Good, .	None, . . .	—
Morse Twist-Drill Co., . . .	Twist drills, .	215	35	—	—	Good, .	Post time notice, . . .	Complied.
Coffin Bros., . . .	Paper boxes, . .	5	15	—	1	Good, .	Put railing on stairways, . . .	Complied.
New Bedford Iron Foundry, . .	Iron castings . .	35	1	—	—	Good, .	Put automatic gates on elevator, .	Complied.
WESTPORT.								
Westport Factory, . . .	Cotton twines, .	75	70	—	17	Good, .	Put railing in tower doors, . .	Complied.
FAIRHAVEN.								
Atlas Tack Co., . . .	Tacks and shoe buttons.	90	30	—	9	Good, .	None, . . .	—

SWANZEY.	Swanзей Bleachery, . . .	Bleaching and dyeing.	28	2	-	4	Good, .	Box up pulleys, . . .	Complied.
SOMERSET.	Mount Hope Iron Works, Somerset & Johnsonburg Manufacturing Co.	Merchant iron, Fire and paving brick.	225	-	-	6	-	None, Box up belt and gears, . . .	Complied.
			53	-	-	5	-		
NORTH EASTON.	Rice & Hutchins, . . .	Boots and shoes, . . .	215	60	-	3	Fair, .	Clean and whitewash water-closets, . . .	Complied.
			285	-	-	6	Good, .		
			20	5	-	3	Good, .		
SOUTH EASTON.	Rose Heel Co., . . .	Wood heels, . . .	42	15	-	3	Good, .	Box up pulleys, . . .	Complied.
CHARTLEY.	Engley, Witherell & Co., . . .	Jewelry, . . .	48	27	-	3	Good, .	Box up pulley, . . .	Complied.
			10	2	-	-	Good, .		
NORTON.	A. H. Sweet Manufacturing Co., . . .	Wood and paper boxes.	252	18	-	5	Good, .	Box up pulleys, . . .	Complied.
FREETOWN.	Crystal Spring Bleachery, . . .	Bleaching cotton cloth.	129	20	-	-	Good, .	Box up gears, . . .	Complied.
			38	-	-	4	Good, .		
RAYNHAM.	Zeno Kelly, . . .	Men's and boys' shoes.	17	8	-	2	Good, .	None, . . .	-

DISTRICT No. 6 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
TAUNTON.								
Cohannet Mills, Nos. 1, 2 and 3.	Cotton yarns.	277	200	—	37	Good.	Remove set screws; box up mule heads.	Complied.
Whittenton Manufacturing Co.,	Colored cotton cloth.	650	500	—	58	Fair.	Put new seats in water-closets; white-wash same; box up pulleys; put in new water-closets.	Complied.
Peter H. Corr,	Cotton waste and paper stock.	25	18	—	—	Good.	Post time notice; designate water-closets.	Complied.
Canoe River Mills,	Cotton yarns,	67	93	—	5	Good.	File school certificates; remove set screws.	Complied.
Charles Hewitt & Co.,	Men's and boys' shoes.	46	10	—	—	Good.	Cover up set screws,	Complied.
A. L. Lincoln,	Twist drills.	26	2	—	—	Good.	None,	—
Nemasket Mills,	Cotton yarns,	165	70	—	17	Good.	None,	—
Elizabeth Pool Mills,	Cotton flannel,	55	133	—	17	Good.	Box up pulleys,	Complied.
Westville Mills,	Cotton yarns,	50	40	—	11	Good.	None,	—
Oakland Mills,	Bed ticking.	40	80	—	12	Good.	None,	—
Norton Bros,	Steam laundry,	4	36	—	—	Good.	Box up gears,	Complied.
C. A. Hack & Son,	Job printers,	10	20	—	—	Good.	None,	—
Taunton Tack Co.,	Tacks and nails,	71	13	—	—	Good.	Remove set screws from collars,	Complied.
West Silver Co.,	Silver-plated ware,	57	8	—	—	Good.	None,	—
City Square Laundry,	Steam laundry,	3	17	—	—	Good.	None,	—
M. M. Rhods & Son,	Shoe buttons,	25	15	—	—	Good.	None,	—

Taunton Gazette, . . .	Newspaper, . . .	15	7	—	1	Good, .	Post time notice; box up pulley; file school certificate.	Complied.
Eagle Mills, . . .	Print cloths, . . .	35	85	—	7	Fair, .	None, .	—
A. Field & Son, . . .	Tacks and nails, . . .	150	50	—	5	Good, .	File school certificates, . . .	Complied.
Evening News, . . .	Newspaper, . . .	7	8	—	1	Good, .	Post time notice; file school certificates.	Complied.
H. B. Caswill, . . .	Dry goods, . . .	4	5	—	2	Good, .	File school certificates, . . .	Complied.
John S. Sampson, . . .	Job printer, . . .	1	2	—	1	Good, .	File school certificates, . . .	Complied.
D. L. Merriam, . . .	Dry goods, . . .	7	5	—	4	Good, .	Designate water-closets, . . .	Complied.
T. B. Higgins & Co., . . .	Dry goods, . . .	4	8	—	3	Good, .	File school certificate, . . .	Complied.
Joyse & Fahey, . . .	Dry goods, . . .	4	7	—	3	Good, .	None, .	—
N. H. Skinner & Co., . . .	Dry goods, . . .	31	21	—	2	Good, .	None, .	—
D. D. White, . . .	Men's and boys' shoes.	27	8	—	—	Good, .	None, .	—
H. L. Cushman, . . .	Shoe buttons, . . .	15	15	—	7	Good, .	None, .	—
Taunton Locomotive Co., . . .	Printing presses, . . .	250	—	—	12	Good, .	None, .	—
Anthony & Cushman, . . .	Tacks, . . .	24	4	—	2	Good, .	Post time notice, . . .	Complied.
Taunton Oil Cloth Co., . . .	Oil cloth, . . .	34	2	—	—	Good, .	None, .	—
Reed & Barton Manuf'g Co., . . .	Silver ware, . . .	400	100	—	8	Good, .	None, .	—

DISTRICT No 7, JOHN L. KNIGHT, Inspector.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
AGAWAM.									
Agawam Co.,	Flannels,	4	4	—	—	Good, .	None, .	—	
Worthy Paper Co.,	Loft-dried paper, . .	36	62	—	—	Fair, .	Post time tables, .	Complied.	
AMHERST.									
A. R. Cushman's Red Mill, . .	Button-board, . . .	9	—	—	—	Fair, .	None, .	—	
Cushman's Straw Board Mill, .	Straw-board, . . .	6	—	—	—	Fair, .	None, .	—	
Cushman's Upper Mill, . . .	Pasteboard, . . .	8	—	—	—	Fair, .	None, .	—	
George B. Burnett & Son, . . .	Straw hats, . . .	50	50	—	—	Good, .	Provide self-closing hatches or gates and safety devices to the elevator run by hand; repair gates to the elevator opening in main building.	— *	
Dwight Graves & Co.,									
The Hills Co.,	Sashes and blinds, .	10	—	—	—	Fair, .	None, .	—	
	Straw goods, . . .	87	110	—	4	Good, .	Guard crank and fly-wheel to the engine.	Complied.	
L. E. Dickinson,	Wood boxes, . . .	10	—	—	—	Good, .	None, .	—	
CHESTER.									
Hampden Emery & Corundum Co.,	Corundum and emery.	13	—	—	1	Fair, .	None, .	—	
Hampden Emery & Corundum Wheel Co.	Emery and wheels,	39	—	—	—	Good, .	None, .	—	

Timothy Keefe, . . .	Bedsteads and cribs.	3	-	-	Good, .	None,	. . . . .	. . . . .	-
Fay Manufacturing Co., . .	Bedsteads and cribs	4	-	-	Good, .	None,	. . . . .	. . . . .	-
H. L. Smith,	Toy whips, . . .	1	2	-	Fair, .	None,	. . . . .	. . . . .	-
CUMMINGTON.									
A. V. Stevens,	Wood turning, . .	14	3	-	Fair, .	None,	. . . . .	. . . . .	-
A. V. Stevens,	Wood turning, . .	9	3	-	Fair, .	Guard projecting set screws in collars on shafting, or make flush with collars	. . . . .	. . . . .	Complied.
L. L. Brown Paper Co, . .	Loft-dried paper, .	12	6	-	Good, .	Guard small spur gears on the Kneeland paper cutter.	. . . . .	. . . . .	Complied.
CHICOPEE.									
A. W. Page,	Latch needles, . .	12	15	-	Good, .	None,	. . . . .	. . . . .	-
Ames Sword Co.,	Swords, locks, . .	86	6	-	Good, .	Post legal notices; provide automatic gates to elevator openings.	. . . . .	. . . . .	Complied.
Ames Manufacturing Co., . .	Machinery and tools.	200	2	-	Good, .	None,	. . . . .	. . . . .	-
Belcher & Taylor,	Agricultural tools, .	90	-	-	Fair, .	None,	. . . . .	. . . . .	-
Chicopee Manufacturing Co., .	Cotton goods, . .	480	576	-	Good, .	Set screws in collars on shafting in No. 3 picker room to be guarded.	. . . . .	. . . . .	Complied.
Chicopee Falls Knitting Co., .	Hosiery and gloves, .	3	-	-	Fair, .	None,	. . . . .	. . . . .	-
Dwight Manufacturing Co., .	Cotton goods, . .	664	912	-	†-	Repair elevator gates to the elevator in picker room; post time tables.	. . . . .	. . . . .	Complied.
Dana & Courtney,	Bobbins,	24	-	-	Fair, .	Post legal notices, . . . . .	. . . . .	. . . . .	†-
Hampden Bleachery,	Cotton bleachers, .	12	-	-	Fair, .	None,	. . . . .	. . . . .	-
Holyoke Brewing Co.,	Lager beer, . . .	5	-	-	Fair, .	None,	. . . . .	. . . . .	-

* Complied in part.

† Not good.

‡ Buildings burned.

DISTRICT NO. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
CHICOPEE — Concluded.									
J. H. Hague & Co., . . .	Machinery, . . .	6	—	—	—	Fair, .	Post time tables, . . .	Complied.	
Overman Wheel Co., . . .	Bicycles, . . .	534	36	—	—	Good, .	Repair gates to elevator openings, .	Complied.	
Olmstead & Tuttle, . . .	Cotton waste, . . .	29	18	—	—	Fair, .	None, . . .	—	
Springfield Provision Co., . . .	Slaughter-house, . .	223	—	—	2	Fair, .	Cable to the elevator in slaughter-house to be renewed.	Complied.	
Taylor & Bromley, . . .	Ladies' underwear.	2	15	—	—	Good, .	None,	—	
J. H. Hague & Co., . . .	Machinery, . . .	12	—	—	—	Fair, .	None, . . .	—	
Lamb Manufacturing Co., . .	Bicycles and machinery.	237	3	—	1	Fair, .	Provide exhaust fans in polishing room.	Complied.	
J. Stevens Arms Co., . . .	Firearms, . . .	8	1	—	—	Good, .	None,	—	
Russell Sewing Co., . . .	Underwear, . . .	—	9	—	—	Good, .	Post legal time tables in work room,	Complied.	
ENFIELD.									
D. E. Tebo & Co., . . .	Satinets, . . .	37	18	—	2	Fair, .	None,	—	
Swift River Co., . . .	Fancy cassimeres,	93	30	—	4	Good, .	None,	—	
EASTHAMPTON.									
Dibble & Warner, . . .	Elastic goods, . . .	5	16	—	—	Good, .	Post legal time tables in work room,	Complied.	
Easthampton Rubber Thread Co.,	Rubber thread, . . .	56	12	—	—	Fair, .	None, . . .	—	
Easthampton Spinning Co., . .	Cotton yarns, . . .	30	38	—	2	Fair, .	Water pails to be kept filled at all times; post legal time tables.	Complied.	
George S. Colton, . . .	Elastic goods, . . .	14	31	—	—	Good, .	None,	—	

Glendale Elastic Fabric Co.,	Elastic goods,	100	76	—	4	Fair,	Post time tables,	·	·	Complied.
King's Silk Mill,	Silk goods,	6	6	—	—	Fair,	None,	·	·	—
Nashawanuck Manuf'g Co.,	Elastic goods,	53	137	—	14	Good,	None,	·	·	—
Williston & Knight Co.,	Buttons,	28	42	—	—	Good,	Post legal time tables,	·	·	Complied.
Williston & Knight Co., ivory department.	Buttons,	25	17	—	2	Good,	Post legal notices,	·	·	Complied.
Glendale Elastic Fabric Co.,	Elastic goring,	104	89	—	—	Good,	Post legal notices,	·	·	Complied.
GRANVILLE.										
Noble & Cooley,	Toy drums, etc.,	67	8	—	—	Good,	None,	·	·	—
Holcombe Bros.,	Sewing machine parts.	6	—	—	—	Good,	None,	·	·	—
HAMPDEN.										
Hampden Woollen Co.,	Woollen goods,	55	20	—	—	Good,	None,	·	·	—
The Ravine Woollen Mill,	Cloakings,	29	18	—	2	Fair,	None,	·	·	—
Seantie Mill,	Horse blankets,	11	3	—	1	Fair,	None,	·	·	—
HATFIELD.										
C. S. Shattuck,	Shot guns,	15	—	—	—	Good,	Box belt,	·	·	Complied.
Porter Machine Works,	Lathes,	19	—	—	—	Good,	None,	·	·	—
HUNTINGTON.										
Chester Paper Co.,	Writing paper,	32	39	—	—	Good,	Provide seats for females in rag room.	·	·	Complied.
Highland Woollen Mill,	Woollen goods,	91	15	—	2	Good,	Post legal notices,	·	·	Complied.
HOLYOKE.										
Albion Paper Co.,	Book paper,	175	68	—	1	Good,	Post legal time-tables,	·	·	Complied.
American Pad & Paper Co.,	Ruling and paper blocks.	14	23	—	—	Good,	Post legal time-tables,	·	·	Complied.
Beebe & Holbroke,	Loft-dried paper,	170	85	—	1	Good,	None,	·	·	—

DISTRICT No. 7 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
HOLYOKE.—Concluded.									
Beebe, Webber & Co., . . .	Woollen goods, . . .	82	44	—	6	Fair, . . .	File certificate for one minor, . .	Complied.	
B. F. Nichols & Co., . . .	Belting, . . .	10	—	—	—	Good, . . .	None, . . .	—	
Brown & Sellars, . . .	Ferdinere wire, . . .	6	3	—	1	Good, . . .	None, . . .	—	
Buchannan, Bolt & Co., . . .	Wire cloth, . . .	43	7	—	1	Fair, . . .	None, . . .	—	
Conn. R. Paper Co., . . .	Writing paper, . . .	58	78	—	—	Good, . . .	Post legal time tables, . . .	Complied.	
Crocker Manufacturing Co, . . .	Colored paper, . . .	85	40	—	—	Good, . . .	Post legal time tables, . . .	Complied.	
Chadwick Plush Co., . . .	Velour plushes, . . .	50	25	—	6	Fair, . . .	Post legal time tables, . . .	Complied.	
Conn. R. Lumber Co., . . .	Saw-mill, . . .	150	—	—	—	Fair, . . .	None, . . .	—	
Casper Ranger, . . .	Sashes and blinds, . . .	70	—	—	—	Good, . . .	None, . . .	—	
C. H. Smith & Co., . . .	Dandy rolls, . . .	6	3	—	—	Fair, . . .	Guard projecting set screws in col- lars on shafting.	Complied.	
Connor Bros. Biglow Street Mill,	Woollen goods, . . .	12	14	—	2	Fair, . . .	None, . . .	—	
Chemical Paper Co., . . .	Wrapping paper, . . .	180	2	—	4	Fair, . . .	None, . . .	—	
Chapman Printing Co., . . .	Printing, . . .	3	—	—	—	Fair, . . .	None, . . .	—	
Coburn Trolley Track Co., . . .	Trolley tracks, . . .	36	—	—	1	Good, . . .	None, . . .	—	
Connor Bros. N. Y. Mill, . . .	Woollen goods, . . .	119	39	—	8	Fair, . . .	None, . . .	—	
Christiman & Wilms, . . .	Paper boxes, . . .	3	10	—	1	Good, . . .	Guard projecting set screws in col- lars on shafting.	Complied.	
Castima & Williams, . . .	Paper, . . .	6	1	—	—	Good, . . .	Protect opening to elevator on ground floor.	Complied.	
Dean Steam Pump Co., . . .	Steam pumps, . . .	254	—	—	3	Good, . . .	File certificate for one minor, . .	Complied.	
D. Mackintosh & Sons Co., . . .	Cotton goods, . . .	30	—	—	1	Fair, . . .	None, . . .	—	

E. F. White, Eureka Ruling & Binding Co., Excelsior Paper Co.,	Paper boxes, Bookbinding, Book paper,	3 11 36	8 18 14	- - -	Fair, - -	None, Post time tables, Provide additional water-closet for females.	- - -	Complied.
Farr Alpaca Co., No. 1, Farr Alpaca Co., No. 2, George R. Dickinson Paper Co., Goddard Machine Co., Germania Mills, George W. Prentice & Co., Griffith Axtelle Cady Co.,	Coat trimmings, Coat trimmings, Book paper, Machinery, Woollen goods, Wire, Printing,	310 130 124 9 230 53 21	275 30 51 - 50 - 11	1 - - - - - -	-† -† Good, Fair, Fair, Good, Good,	None, None, None, None, None, None, Guard main belt running through floor.	- - - - - - Complied.	
Geotz Silk Manufacturing Co., George C. Gill Paper Co.,	Silk goods, Book paper,	19 52	14 90	- -	Good, Fair,	None, Repair hatches to the openings of the elevator wells of rag room.	- -	
Holyoke Envelope Co., Henry Seymour Cutlery Co.,	Envelopes, Sheep shears and scissors.	136 70	118 -	- 1	-† Fair,	None, File certificates for one minor,	- Complied.	
Holyoke Warp Co., Holyoke Lithograph Co., Holyoke Pad & Ruling Co.,	Cotton warp, Lithographing, Ruling and pads,	47 5 3	36 - 4	- - -	Fair, Fair, Good,	None, None, Post legal notices in work-room; designate water-closets.	- - Complied.	
H. C. Cady, Holyoke Daily Democrat, Holyoke Printing Co., Holyoke Machine Co., Holyoke Bar Co., Holyoke Lead Pipe Co., Holyoke Braiding Co.,	Printing, Publishing, Printing, Machinery, Machine knives, Lead pipe, Mohair and silk braid.	8 11 4 270 9 10 -	1 - - - - - -	- - - 1 - - -	Good, Fair, Fair, Fair, Fair, Fair, Fair,	None, None, None, None, None, None, Post legal notices, - -	- - - - - - Complied. -	

* Not good.

† Excellent.

DISTRICT No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.			14 to 16.			
		Males.	Females.					
HOLYOKE — Continued.								
Hadley Thread Co., . . .	Thread, . . .	139	444	—	32	Fair, .	Water-closet in combing and carding room to be ventilated.	Complied.
Holyoke Paper Co., . . .	Loft-dried paper, .	89	132	—	1	Fair, .	Set screws on cutting machine to be protected.	Complied.
Hampden Glazed Paper & Card Co., . . .	Glazed paper and card-board.	66	18	—	2	Fair, .	None,	—
Holyoke Electric Light Co., . . .	Electric light, . . .	7	—	—	—	Fair, .	None,	—
H. C. Cady Printing Co., . . .	Printing,	8	—	—	—	Fair, .	None,	—
J. F. T. MacDonnell,	Paper finishing, . .	4	13	—	3	Fair, .	File certificates for three minors, .	Complied.
Lyman Mills,	Cotton goods, . . .	402	650	1	93	—*	Provide better sanitary closets in No. 1 mill; new cable to elevator in No. 1 mill.	Complied.
Linden Paper Co.,	Fine writing paper, .	82	218	—	—	—†	Box belt running from fly-wheel of upright engine.	Complied.
Massasoit Paper Co.,	Loft-dried paper, . .	70	104	—	—	Fair, .	None,	—
Merrick Thread Co., No. 1, . . .	Cotton thread, . . .	250	460	—	57	—*	New cable to elevator in box shop, .	Complied.
Merrick Thread Co, Nos. 2 and 3, .	Cotton thread, . . .	122	400	—	124	Fair, .	None,	—
MacCullen & Constable, . . .	Hosiery,	15	15	—	—	—†	None,	—
Massasoit Screw Co.,	Wood screws, . . .	19	4	—	—	Fair, .	None,	—
Merrick Lumber Co.,	Sashes, blinds, etc., .	60	—	—	—	Fair, .	None,	—
M. C. Brown,	Sealing wax, . . .	3	—	—	—	Fair, .	None,	—
MacCullen, Constable & Co., . .	Hosiery,	27	13	—	—	Good, .	None,	—

Newton Paper Co.,	Sheathing paper,	63	—	—	—	Fair,	None,	•	•	•	Complied.
Nonatuck Paper Co.,	Book paper,	330	100	—	—	Fair,	Designate water-closets,	•	•	•	Complied.
National Blank Book Co.,	Blank books,	42	68	—	—	Fair,	None,	•	•	•	—
Norman Paper Co.,	Fine writing paper,	150	50	—	—	Good,	None,	•	•	•	—
Parsons' Paper Co., No. 1,	Loft-dried paper,	99	110	—	—	Good,	None,	•	•	•	—
Parsons' Paper Co., No. 2,	Fine ledger paper,	73	139	—	—	—†	None,	•	•	•	—
Parsons' Paper Co., Mt. Tom Mill,	Bond and ledger paper,	63	27	—	—	Good,	None,	•	•	•	—
Powers' Paper Co.,	Writing paper,	31	29	—	—	Fair,	Post legal notices,	•	•	•	Complied.
Seymour Cutlery Co.,	Scissors and shears,	63	—	—	—	—*	Provide exhaust fan in buffing room ; better sanitary condition.	•	•	•	—
Taylor Manufacturing Co.,	Paper boxes and envelopes,	28	6	—	—	Fair,	None,	•	•	•	—
Prussell Envelope Co.,	Stamped envelopes,	105	95	—	—	Good,	Post legal time tables in work-room,	•	•	•	Complied.
John E. Brown Manuf'g Co.,	Bed quilts,	17	18	—	—	—†	Post legal time tables in work-rooms ; designate water-closets.	•	•	•	Complied.
Jenkins' Rubber Co.,	Rubber goods,	60	—	—	—	Fair,	File certificates for two minors,	•	•	•	Complied.
Valley Paper Co.,	Writing paper,	63	95	—	—	Fair,	Post legal time tables ; new water-closet for females.	•	•	•	Complied.
Wauregan Paper Co.,	Loft-dried paper,	55	25	—	—	Good,	None,	•	•	•	—
Whiting Paper Co., No. 1,	Loft-dried paper,	67	135	—	—	Good,	None,	•	•	•	—
Whiting Paper Co., No. 2,	Loft-dried paper,	100	140	—	—	Good,	None,	•	•	•	—
Whitmore Manufacturing Co.,	Glazed paper,	69	22	—	—	Fair,	Post legal time tables,	•	•	•	Complied.
William Skinner & Sons,	Silk goods,	180	170	—	—	—†	None,	•	•	•	—
Watson Ealy,	Planing mill,	28	—	—	—	Good,	None,	•	•	•	—
W. H. Jacobs,	Laundry,	2	6	—	—	Good,	None,	•	•	•	—
W. P. Griswold,	Confectionery,	10	5	—	—	Good,	None,	•	•	•	—
Keating Wheel Co.,	Bicycles,	151	1	—	—	Good,	Keep outside doors unlocked during hours of labor.	•	•	•	Complied.
Beebe, Webber & Co.,	Woollen goods,	82	44	—	—	Good,	None,	•	•	•	—

* Not good.

† Excellent.

DISTRICT No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
HOLYOKE — <i>Concluded.</i>								
Riverside Paper Co, No. 1, .	Writing paper, .	85	70	—	1	Fair, .	Guard and put gears on Kneeland paper cutter; file certificate for one minor.	Complied.
Riverside Paper Co., No. 2, .	Loft-dried paper, .	45	23	—	1	— *	Post legal notices in work-room; guard fly-wheel and crank of engine.	Complied.
Springfield Blanket Co., .	Horse blankets, .	112	112	—	11	Good, .	Post legal time tables in work-room,	Complied.
Franklin Paper Co., . . .	M a c h i n e - d r i e d paper.	37	4	—	—	Fair, .	Post time tables; designate water-closets.	Complied.
LUDLOW.								
Ludlow Manufacturing Co., .	Corded goods, .	531	444	—	97	— †	Better sanitary arrangements in No. 1 mill.	Complied.
MONSON.								
D. W. Ellis & Son, . . .	Cassimeres, . . .	46	29	—	2	Fair, .	Post legal time tables, . . .	Complied.
Hermain & Lichten, . . .	Straw goods, . . .	61	71	—	—	Good, .	Post legal time tables, . . .	Complied.
R. M. & T. Reynolds, Old Mill, .	Woolen goods, . . .	17	4	—	1	Fair, .	Post legal time tables, . . .	Complied.
S. F. Cushman & Sons, Home Mill, .	Cassimeres, . . .	44	43	—	9	— *	Post legal time tables, . . .	Complied.
S. F. Cushman, Branch Mill, . . .	Cassimeres, . . .	36	16	—	1	Good, .	Post legal time tables, . . .	Complied.
R. M. Reynolds,	Straw goods, . . .	75	75	—	—	Good, .	Post legal time tables, . . .	Complied.
NORTHAMPTON.								
A. Kingsbury & Son,	Paper boxes, . . .	15	30	—	1	— *	None,	—

Belding Bros.,	Silk goods, . .	120	323	19	—	—	Good, .	None, .	—
Clement Manufacturing Co.,	Cutlery, . .	50	—	—	—	—	Good, .	None, .	—
C. A. Maynard,	Shovels and hoes,	50	—	—	—	—	Good, .	None, .	—
Conn Valley Lumber Co.,	Lumber, . .	95	—	—	—	—	Fair, .	None, .	—
E. E. Wood Cutlery Co.,	Cutlery, . .	67	3	—	—	—	Good, .	None, .	—
Florence Furnishing Co.,	Coffins, . .	33	5	—	—	—	Good, .	Post legal notices, .	Complied.
Hutchins Narrow Fabric Co.,	Bindings, . .	4	25	—	—	—	Fair, .	Post legal time tables in work-rooms,	Complied.
Horace Lamb,	Wire, . .	14	—	—	—	—	Good, .	None, .	—
J. N. Leonard & Co.,	Silk goods, . .	40	100	12	—	—	Good, .	None, .	—
Mount Tom Sulphate Co.,	Sulphate pulp, .	140	—	—	—	—	Fair, .	None, .	—
Nonotuck Silk Co.,	Silk goods, . .	108	156	6	—	—	—*	Post legal time tables, .	Complied.
Nonotuck Silk Co., Three Mills,	Silk goods, . .	120	310	11	—	—	—*	None, .	—
Nonotuck Pocket Book Co.,	Pocket books, .	6	2	—	—	—	Fair, .	None, .	—
Northampton Cutlery Co.,	Cutlery, . .	200	22	6	—	—	Good, .	Guard set screws in collars on shafting,	Complied.
Northampton Steam Laundry,	Laundry, . .	3	6	—	—	—	Good, .	Designate water-closets, .	Complied.
Smith-Car Baking Co.,	Crackers, etc., .	10	1	—	—	—	Fair, .	None, .	—
The Bryant Printing Co.,	Printing, . .	6	6	3	—	—	Good, .	None, .	—
The Central Oil & Gas-Stove Co,	Oil and gas stoves,	70	—	1	—	—	Good, .	Repair gates to the elevator in hallway leading from old building.	Complied.
Williams Manufacturing Co.,	Baskets, . .	58	—	1	—	—	Fair, .	Post legal notices, .	Complied.
Webster Herrick, . .	Machinery, . .	12	—	—	—	—	Fair, .	None, .	—
Florence Manufacturing Co.,	Combs and brushes,	70	40	1	—	—	Fair, .	None, .	—
Boston Duck Co., . .	Cotton goods, .	275	192	19	—	—	Fair, .	Guard set screws in collars on shafting, or make flush with collar.	Complied.
F. F. Marcy, . .	Lumber, . .	15	—	—	—	—	Fair, .	None, .	—
Frank Cushing, . .	Wire nails, . .	6	—	—	—	—	Good, .	None, .	—
Holden & Fuller, . .	Woollen goods, .	23	17	1	—	—	Good, .	None, .	—
Charles S. Grosvenor, .	Shoddy, . .	12	—	—	—	—	Good, .	None, .	—

† Not good.

* Excellent.

DISTRICT No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
PALMER — <i>Concluded.</i>									
Palmer Carpet Manuf'g Co.,	Carpets,	58	9	—	4	Good,	None,	—	
Palmer Mills of the Otis Co.,	Dress goods,	368	190	—	26	—*	None,	—	
Thorndike Mill, No. 1,	Cotton ticking,	138	126	—	14	Good,	None,	—	
Thorndike Mill, No. 2,	Cotton ticking,	159	117	—	18	Good,	None,	—	
Palmer & Monson Electric Light,	Electric light,	6	—	—	—	Good,	Rail stairway leading to main driving pulley.	Complied.	
Roger Osgood Hat Co.,	Straw hats,	10	35	—	—	Good,	Set screws in collars on shafting made flush with collar, or otherwise securely guarded.	Complied	
PELHAM.									
Montague City Rod Co.,	Fishing rods,	32	8	—	—	Fair,	None,	—	
RUSSELL.									
Blandford Brick & Tile Co.,	Brick,	30	—	—	—	Fair,	None,	—	
Chapin & Gould, Crescent Mill,	Loft-dried paper,	35	36	—	2	Fair,	None,	—	
Fairfield Paper Co.,	Writing paper,	72	52	—	—	Good,	Designate water-closets,	Complied.	
SOUTH HADLEY.									
Carew Manufacturing Co.,	Loft-dried paper,	56	56	—	—	Good,	None,	—	
Glasgow Manufacturing Co.,	Dress goods,	34	66	—	8	Fair,	Guard set screws in collars on shafting; provide new cable to the elevator.	Complied.	
Howard Gaylord & Co.,	Sashes and blinds,	10	—	—	—	Fair,	None,	—	

DISTRICT No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
SPRINGFIELD — Continued.							
Century Manufacturing Co.,	Butchers' frocks, .	1	15	-	Good, .	None, .	-
Cyrus W. Atwood, .	Printing, . .	4	1	-	Good, .	Post legal notices in work-room, .	Complied.
Chadwick Copying-Book Co.,	Copy-books, .	3	5	-	Good, .	None, .	-
Cashin Card & Paper Co., .	Glazed paper, .	3	1	-	Good, .	None, .	-
C. C. Lewis, . . .	Wagon makers' supplies, .	11	1	-	Good, .	Repair gates to elevator, .	Complied.
C. C. Taylor & Son, .	Paper boxes, .	3	4	-	Good, .	None, .	-
Cheney Biglow Wire Works,	Wire, . .	60	15	-	Good, .	None, .	-
Chapman Valve Manuf'g Co.,	Hydrants, . .	285	-	1	Good, .	None, .	-
Buckler & Mead, . . .	Provisions, . .	2	1	-	Fair, .	Protect elevator openings by self-closing gates, .	Complied.
Chadburn & Moore, . . .	Cotton tape, . .	5	30	-	Good, .	Post legal notices, . .	Complied.
Dickinson Hard Rubber Co.,	Buttons, . . .	33	14	1	Fair, .	None, .	-
Daniel Schoonmaker, . .	Silver plating, .	3	-	-	Fair, .	None, .	-
Davis Electric Works, . .	Electric lamps, .	5	4	-	Fair, .	None, .	-
E. Stebbins Manufacturing Co.,	Brass goods, . .	87	-	2	Fair, .	None, .	-
E. B. Johnson, . . .	Wood turning, .	6	-	-	Good, .	None, .	-
Electric Laundry, . . .	Laundry, . . .	2	1	-	Fair, .	None, .	-
Feigonli & Co., . . .	Plush and leather cases, .	4	16	-	Fair, .	Post legal notices; designate water-closets; remove obstruction from stairway leading to work-room, .	Complied.
Fred J. Cokley, . . .	Coffin trimmings, .	4	-	-	Good, .	None, .	-

Fiske Manufacturing Co.,	Soap, . . .	20	—	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
Felix Barelle,	Harnesses, . . .	6	1	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
Frank Elmer,	Paper stock, . . .	3	4	—	Fair, . . .	None, . . .	. . .	. . .	. . .	—
F. K. Williams & Co.,	Printing, . . .	7	—	1	Good, . . .	Post legal notices, . . .	. . .	. . .	. . .	Complied.
George A. Nye, . . .	Machine screws, . . .	7	—	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
G. Baer,	Cigars, . . .	6	4	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
Gilbert Corset Co.,	Corsets, . . .	5	5	—	Good, . . .	Post legal time tables in work-room, . . .	. . .	. . .	. . .	Complied.
George A. Shastery,	Cabinet and wood work, . . .	70	—	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
Golden Spring Hook & Eye Co.,	Hooks and eyes, . . .	3	3	—	Good, . . .	Post legal notices; designate water-closets, . . .	. . .	. . .	. . .	Complied.
Henry W. Pearl, . . .	Paper stock, . . .	4	3	—	Fair, . . .	Post legal notices; file certificate for one minor, . . .	. . .	. . .	. . .	Complied.
Hamilton Machine Co.,	Machinery, . . .	4	—	—	Fair, . . .	None, . . .	. . .	. . .	. . .	—
Hampden Corundum Wheel Co.,	Emery wheels, . . .	8	—	—	Fair, . . .	None, . . .	. . .	. . .	. . .	—
Hampden Braid Co.,	Mohair braid, . . .	—	—	—	—	—	. . .	. . .	. . .	*
Hutchins Narrow Fabric Co.,	Cotton tape, . . .	2	8	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
Hinsdale, Smith & Co, . . .	Leaf tobacco, . . .	15	—	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
J. & H. Duckworth, . . .	Sewing machine parts, . . .	20	—	3	Good, . . .	None, . . .	. . .	. . .	. . .	—
J. B. Chapin & Co.,	Brass goods, . . .	20	—	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
J. S. Carr & Co., . . .	Crackers, etc., . . .	16	—	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
Joseph Whitcomb & Co.,	Cigars, . . .	45	37	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
Golden Spring Hook & Eye Co.,	Hooks and eyes, . . .	4	5	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
Agawam Manufacturing Co.,	Knit goods, . . .	20	65	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
E. Stebbins Manufacturing Co.,	Brass goods, . . .	68	—	1	Fair, . . .	None, . . .	. . .	. . .	. . .	—
J. C. Lutz, . . .	Lithographing, . . .	13	—	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
John C. Otto, . . .	Printing, . . .	6	—	—	Good, . . .	Protect openings to elevator well, . . .	. . .	. . .	. . .	Complied.
John W. Russell, . . .	Machinery, . . .	12	—	—	Good, . . .	None, . . .	. . .	. . .	. . .	—
Journal Printing Co., . . .	Printing, . . .	7	2	—	Good, . . .	None, . . .	. . .	. . .	. . .	—

* Out of business.

DISTRICT NO. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
SPRINGFIELD — Continued.								
Kibbe Bros., . . .	Confectionery, .	39	24	—	Good, .	Post time tables, . . .	Complied.	
Kalbach & Guiesel, . . .	Brewery, .	30	—	—	Fair, .	None, . . .	—	
King's New Block, . . .	Rented for offices, etc.	—	—	—	—	Provide self-closing hatches or gates to the openings to elevator wells.	Complied.	
L. W. Brown & Co., . . .	Paper boxes, .	8	36	—	Good, .	File certificate for one minor; post legal notices.	Complied.	
Loring & Axtelle, . . .	Printing, . . .	5	1	—	Good, .	Guard set screws in collars on shafting.	—*	
Morgan Envelope Co., . .	Envelopes, . .	90	40	—	Good, .	Post legal notices, . . .	Complied.	
Meddicott & Morgan Co., .	Knit goods, . .	5	10	—	Good, .	Guard set screws in collars on shafting, near pulleys or hangers.	Complied.	
Merritt Manufacturing Co.,	Typewriters, .	116	67	—	Good, .	File certificates, . . .	Complied.	
Martin Cash Carrier Co., .	Cash carriers, .	6	—	—	Good, .	None, . . .	—	
Margerum Bros., . . .	Cigars, . . .	14	5	—	Good, .	None, . . .	—	
Milton, Bradley & Co., . .	Lithographing, toys, etc.	90	25	—	Good, .	None, . . .	—	
Metallic Drawing Roll, . .	Drawing rolls, .	45	—	—	—†	None, . . .	—	
M. H. Barnett, . . .	Cigars, . . .	20	10	—	Good, .	Designate water-closets; post legal notices in work-rooms.	Complied.	
M. C. Parenteau, . . .	Wood turning, .	3	—	—	Good, .	None, . . .	—	
National Needle Co., . . .	Needles, . . .	95	60	—	—†	None, . . .	—	
New England Card & Paper Co.,	Glazed paper, .	15	5	—	Fair, .	Guard gears on coating machine, .	Complied.	

DISTRICT NO. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
SPRINGFIELD -- Concluded.								
Springfield File Works, . . .	Files, . . .	4	—	—	Good, .	None, .	—	
S. F. Merritt, . . .	Gold chains, . . .	2	7	—	Fair, .	Repair gates to elevator; post time tables in work-room.	—	
Springfield Publishing Co., .	Printing and publishing.	6	6	—	Good, .	Post legal notices in work-room, .	Complied.	
Springfield Knitting Co., . .	Knit underwear, .	12	30	—	Good, .	None, .	—	
Standard Thread Co., . . .	Thread, . . .	8	17	—	Fair, .	Set screws in collars on shafting to be securely guarded.	Complied.	
Springfield Photo-Engraving Co.,	Engraving, . . .	6	—	—	Good, .	None, .	—	
Springfield Tribune, . . .	Publishing and printing.	4	—	—	Good, .	None, .	—	
Steere & Turner, . . .	Church organs, . .	14	1	—	Good, .	Guard band saw, . . .	Complied.	
The Confectioners' Machine Manufacturing Co.	Confectionery machines.	9	—	—	Fair, .	None, .	—	
The Enterprise Plating Co., .	Plating, . . .	3	—	—	Fair, .	None, .	—	
The Indian Orchard Co., . . .	Cotton goods, . . .	51	34	—	Fair, .	Post time tables in work-room, .	Complied.	
T. Shea, . . .	Lime and cement, .	10	—	—	Fair, .	Protect elevator openings by self-closing hatches or gates.	Complied.	
The Springfield Drop-Forging Co.,	Machinery, . . .	13	—	—	Fair, .	Post legal time tables in work-room, .	Complied.	
Tucker & Cook Manuf'g Co., .	Cotton yarns, . . .	3	11	—	Good, .	Keep outside door unlocked during working hours.	Complied.	
T. M. Walker & Co., . . .	Sashes and blinds, .	30	—	—	Fair, .	None, .	—	

Troy Custom Laundry,	Laundry,	5	5	—	—	Fair,	None,	•	•	•	—
Taylor, Nichols & Co.,	Papeteries,	17	15	—	—	Good,	None,	•	•	•	—
United States Spring-Bed Co.,	Spring beds,	14	—	—	—	Fair,	None,	•	•	•	—
F. K. Williams & Co.,	Printing,	8	—	—	—	Good,	None,	•	•	•	—
Union Regoring Co.,	Regoring shoes,	2	—	—	—	Fair,	None,	•	•	•	—
Warwick Cycling Co.,	Bicycles,	198	2	—	—	Good,	Post legal notices in work-room,	•	•	•	Complied.
W. H. Wright,	Cigars,	26	10	—	—	Good,	None,	•	•	•	—
Warren S. Rogers,	Button parts,	3	2	—	—	Fair,	None,	•	•	•	—
William Stimpson,	Cigars,	8	6	—	—	Fair,	Provide self-closing hatches and gates to elevator openings.	•	•	•	Complied.
Waltham Watch-Tool Co.,	Watch tools,	15	—	—	—	Good,	None,	•	•	•	—
Wilkinson's Block,	Offices, etc.,	—	—	—	—	—	New cable to elevator,	•	•	•	Complied.
Westfield Cigar Co.,	Cigars,	32	8	—	—	Good,	None,	•	•	•	—
Wilder & Puffer,	Storehouse,	4	—	—	—	—	Gates to elevator to be repaired,	•	•	•	Complied.
WESTFIELD.											
American Whip Co.,	Whips,	128	72	—	4	Good,	File certificate for one minor,	•	•	•	Complied.
A. C. Barnes Whip Co.,	Whips,	3	1	—	—	Good,	None,	•	•	•	—
American Cigar Co.,	Cigars,	37	29	—	—	Fair,	None,	•	•	•	—
A. C. Ensign Box Co.,	Cigar boxes,	7	10	—	—	Good,	None,	•	•	•	—
Bay State Novelty Co.,	Advertising novel-ties,	2	1	—	—	Fair,	None,	•	•	•	—
Cargell, Cook & Co.,	Whips,	9	3	—	—	Fair,	Provide new cable to elevator,	•	•	•	Complied.
Crane Bros. Glen Mill,	Linen ledger paper.	14	—	—	—	Good,	None,	•	•	•	—
Crane Bros. Japanese Mill,	Linen record paper.	62	50	—	1	Good,	Post time tables in work-room,	•	•	•	Complied.
C. A. Hastings,	Whips,	4	5	—	—	Good,	None,	•	•	•	—
C. B. Hadley,	Whips,	4	—	—	—	Good,	None,	•	•	•	—
Donavon Bros.,	Whips and lashes,	5	2	—	—	Good,	None,	•	•	•	—
Eastern Cigar Co.,	Cigars,	5	15	—	—	Good,	None,	•	•	•	—

DISTRICT No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WESTFIELD — Concluded.								
Edgar Bryant Box Co.,	Paper and cigars boxes.	9	6	—	—	Good,	Post legal notices,	Complied.
Foster Machine Co.,	Machinery,	50	—	—	—	Good,	None,	—
George E. Whipple,	Whips,	16	—	—	—	Fair,	None,	—
John C. Schmidt & Co.,	Whips and lashes,	—	—	—	—	—	—	*
J. E. Messick,	Lashes,	6	2	—	—	Good,	None,	—
Independent Whip Co.,	Whips,	11	4	—	—	Good,	None,	—
J. W. Loomis,	Cigars,	1	1	—	—	Fair,	None,	—
L. H. Beals & Son,	Whips and lashes,	15	10	—	—	Fair,	None,	—
Lay Whip Co.,	Whips and lashes,	5	3	—	—	Good,	None,	—
Pomery & Van Dusen,	Whips,	48	14	—	—	Good,	None,	—
Springdale Paper Co.,	Fine writing paper,	37	30	—	—	Fair,	Guard small spur gears on Kneeland paper cutter.	—
Standard Whip Co.,	Whips and lashes,	9	4	—	—	Fair,	None,	—
Searle Whip Co.,	Whips,	6	3	—	—	+	Designate water-closets,	Complied.
Textile Manufacturing Co.,	Casket hardware,	51	14	—	—	+	Post legal notices; women's closets to be improved.	Complied.
Reed & Samules,	Cigars,	12	5	—	—	Fair,	None,	—
The H. B. Smith Co., No. 1,	Steam heaters,	155	—	—	2	Fair,	None,	—
The H. B. Smith Co., No. 2,	Steam heaters,	210	—	—	—	Fair,	None,	—
Town & Fuller,	Cigars,	10	60	—	—	Good,	None,	—

Vitrified Wheel Co., . . .	12	—	—	Fair, .	None,	. . . . .	. . . . .	—
William H. Owen & Co., . .	10	12	—	Fair, .	None,	. . . . .	. . . . .	—
George E. Whipple, . . .	22	—	—	Good, .	None,	. . . . .	. . . . .	—
H. A. Palmer,	3	—	—	Good, .	None,	. . . . .	. . . . .	—
Westfield Steam Laundry, .	1	6	—	Good, .	None,	. . . . .	. . . . .	—
William Warren Thread Co.,	20	25	—	Good, .	None,	. . . . .	. . . . .	—
WEST SPRINGFIELD.								
Agawam Paper Co., No. 1, .	42	45	—	Fair, .	None,	. . . . .	. . . . .	—
Agawam Paper Co., No. 2, .	80	125	—	Good, .	Guard spur gears on Kneeland paper cutter with sheet iron or some better appliance.	. . . . .	. . . . .	Complied.
Mittencague Paper Co., . .	42	54	—	Good, .	None,	. . . . .	. . . . .	—
Springfield Glazed Paper Co.,	35	5	—	Fair, .	None,	. . . . .	. . . . .	—
Southworth Co.,	42	58	—	Good, .	None,	. . . . .	. . . . .	—
Worthy Paper Co.,	30	34	—	Good, .	None,	. . . . .	. . . . .	—
WILLIAMSBURG.								
Hampden Woollen Mill, . .	8	2	—	—†	Post legal time tables in work-room; clean and designate water-closets.	. . . . .	. . . . .	Complied.
Hayden Manufacturing Co.,	233	22	—	Good, .	Provide new cable to elevator,	. . . . .	. . . . .	Complied.
Hill Bros.,	3	2	—	Fair, .	Post legal notices in work-room,	. . . . .	. . . . .	Complied.
Nonotuck Silk Co.,	17	49	—	Good, .	None,	. . . . .	. . . . .	—
William E. Thair,	6	—	—	Fair, .	None,	. . . . .	. . . . .	—
Nonotuck Silk Co.,	24	54	—	—†	None,	. . . . .	. . . . .	—

† Not good.

† Excellent.

* Out of business.

DISTRICT No. 7—*Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WILBRAHAM.								
Collins Manufacturing Co.,	Loft-dried paper,	71	82	—	—	Good,	None,	— —
Wilbraham Woollen Co.,	Fancy cassimeres,	—	—	—	—	—	—	
WALES.								
Barkley Woollen Mill,	Woollen goods,	63	12	—	2	Fair,	None,	— Complied.
Excelsior Woollen Mills,	Woollen goods,	46	18	—	1	Fair,	Post legal time tables in work-room,	
WARE.								
George H. Gilbert Manuf'g Co.,	Dress goods and flannels.	173	76	—	6	Fair,	None,	—
C. A. Stevens Co.,	Woollen goods,	190	60	—	12	Good,	None,	— Complied.
Otis Co.,	Hosiery and underwear.	857	916	—	101	Good,	Post legal time tables,	

• Mill burned down.

REPORT OF INSPECTOR PUTNAM.

DEAR SIR:—Herewith I submit the report of my work as inspector of factories and public buildings in District No. 8.

Taking charge of the district on June 26, 1894, I have endeavored as far as possible to visit the factories which had not been inspected by my predecessor during the present year. I have made 125 factory and 64 elevator inspections, issued 94 orders, and have done other work which was in my line of duty.

As will be seen by reference to my inspection report, a large percentage of orders issued have been to provide an appliance for controlling power running sewing-machine shafts. In nearly all factories visited the shaft was found to be boxed, but no way was provided of controlling the power except by throwing off the belt with a stick, or by some other unsuitable method; but when attention was called to the law requiring communication between the engine room and each room in the factory, a cheerful and ready compliance was secured; and one manufacturer at my suggestion attached a rope to the shipper, and ran it the whole length of the bench, so the power can be thrown off the shaft by any one at the bench,—an example that might be profitably followed by all manufacturers using sewing machines propelled by steam.

With the exception of some of the textile factories, I find but few children employed in any of the places I have visited, the disposition on the part of the manufacturers being to employ only those of maturer years, believing that better work and more of it is the result of such a method. There has been some misunderstanding in regard to the employment of children during the vacation, even the school committees of some places claiming that no certificates were required at such seasons. I have shown them their error, and certificates are now issued. No evening schools having been maintained in my district since my appointment, I cannot speak intelligently of what they are accomplishing.

Chapter 534, Acts of 1894, better known as the “weavers’ particulars law,” is being complied with in this district as far as it has been possible to learn.

But few accidents have been reported; one fatal, which I have now under investigation, none of the others being very serious, and none caused by defective or unprotected machinery.

I have had no complaints of the violation of the fifty-eight-hour law for women and minors, and have been obliged to issue but few orders for the posting of time tables relating to said law, those which I have issued being immediately complied with.

The protection of dangerous machinery, set screws, gearing, etc., is a source of much trouble to the inspector. The fact that "familiarity breeds contempt" is as true about machinery as anything else; and there is more opposition from the employees, as a general thing, than from the employer, when attention is called to the necessity of protecting certain machines. However, all but one order of this kind which I have issued has been complied with, and that is a case where no one but the manufacturer is allowed to use the machine.

DISTRICT No 8, EDWARD B. PUTNAM, Inspector.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
AMESBURY.								
Briggs Carriage Co, . . .	Carriages, . . .	80	—	—	—	Good, .	Box belting; protect elevator en- trances.	Complied.
Folger & Drummond, . . .	Carriages, . . .	58	2	—	—	Good, .	Box shaft; protect openings in floor,	Complied.
C. W. Long, . . .	Carriages, . . .	20	—	—	—	Good, .	None, . . .	—
Adams and Pettengill, . . .	Boots and shoes, . . .	115	60	—	—	Good, .	Control power on sewing-machine shaft.	Complied.
Samuel Rowell's Sons, . . .	Carriages, . . .	50	—	—	—	Good, .	None, . . .	—
Hamilton Woolen Mills, . . .	Cottons, . . .	332	422	—	—	Fair, .	Guard set screws; rail fly-wheel and crank shafts; designate water-closets; keep water-closets clean on three lower floors in mill No. 8; repair water-closets on second floor in mill No. 7; box belts.	—
ANDOVER.								
Smith & Dove Manuf'g Co., . . .	Linen thread, . . .	87	106	2	30	Good, .	Guard gears on spinning and hack- ling machine; guard elevator entrances.	Complied.
Smith & Dove Manuf'g Co., . . .	Linen thread, . . .	52	27	—	11	Good, .	Guard engine packing machine, . . .	Complied.
Tyer Rubber Co., . . .	Druggists' sun- dries.	50	65	—	3	Good, .	Guard gears on grinders, . . .	Complied.

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
ANDOVER — <i>Concluded.</i>								
Hardy & Cole,	Boxes,	50	—	—	—	Good, .	Guard fly-wheel, swing and band saw, and opening in floor.	Complied.
Andover Press,	Printed paper,	7	3	—	—	Good, .	Post time table,	Complied.
Marland Mills,	Dress goods,	115	75	1	7	Good, .	None,	—
Craighead & Kintz Co.,	Lamps,	155	20	—	—	Good, .	None,	—
Ballard Vale Mills,	Flannels,	60	125	—	6	Good, .	Box belts,	—
BRADFORD.								
Haverhill Paper Mills,	Paper,	60	—	—	—	Good, .	Guard opening in floor; guard gearing and drums.	Complied.
L. C. Ring,	Woodwork,	12	—	—	—	Good, .	Guard swing saw; box belts; keep openings in floors closed	Complied.
Knipe Bros.,	Boots and shoes,	75	50	—	—	Good, .	Guard set screws; designate water-closet; control power on sewing-machine shaft.	Complied.
J. B. Gilman & Sons,	Wool hats,	49	16	—	—	Good, .	Control power on sewing-machine shaft; designate water-closet.	Complied.
S. W. Lakin & Co.,	Heels,	12	3	—	—	Good, .	Guard rolling machine and fly-wheel.	—
GEORGETOWN.								
F. H. Foss,	Boots and shoes,	31	14	—	—	Good, .	Post time tables,	Complied.
W. C. Hardy,	Wood boxes,	10	—	—	—	Good, .	Post time tables,	Complied.

A. B. Noyes & Co. Corporation,	Boots and shoes,	75	—	—	—	Good,	None,	Guard splitting and rolling machine; procure certificate.	Complied.
W. M. Brewster,	Boots and shoes,	50	—	—	—	Good,	Guard elevator entrances,	Complied.	
Georgetown Boot & Shoe Co.,	Boots and shoes,	47	3	—	—	Good,	Guard rolling machine; control power on sewing-machine shaft.	Complied.	
G. W. Chaplin & Co.,	Boots and shoes,	57	8	—	—	Good,			
HAVERHILL.									
Stevens & Co.,	Dress goods,	81	53	—	—	Good,	Box belts on extractor and presses,	Complied.	
F. H. Finney,	Boots and shoes,	60	1	—	—	Good,	Keep certificate for minor,	Complied.	
J. A. Lynch,	Boots and shoes,	25	15	—	—	Good,	Control power in stitching room,	Complied.	
M. Tasker,	Soles, taps and stiffenings.	20	—	—	—	Good,	None,	—	
Bray Bros.,	Soles, taps and stiffenings.	10	—	—	—	Good,	Post time table,	Complied.	
C. H. Hayes,	Wood and paper boxes.	35	46	—	—	Good,	Box belts,	Complied.	
L. C. Wadleigh & Sons,	Lasts,	12	—	—	—	Good,	None,	—	
Webster & Tabor,	Slippers,	14	4	—	—	Good,	Guard set screws,	Complied.	
Miss J. A. Foster,	Shoe stitching,	1	21	—	—	Good,	None,	—	
Martin & Hardy,	Boots and shoes,	25	—	—	—	Good,	None,	—	
F. J. Thompson,	Shoe heelings,	8	—	—	—	Good,	Guard rolling machine,	Complied.	
Blake Bros.,	Boots and shoes,	60	40	—	—	Good,	Keep outside door unlocked; guard set screws; control power on sewing-machine shaft.	Complied.	
Hodgdon & Johnson,	Boots and shoes,	67	8	—	—	Good,	None,	—	
E. C. Miller,	Shoe stitching,	2	20	—	—	Good,	None,	—	
Barrows & Rice,	Shoe contractors,	12	—	—	—	Good,	None,	—	
Gale Shoe Manufacturing Co.,	Boots and shoes,	100	50	—	—	Good,	Guard set screws; designate water-closet; box belt; guard rolling machine; procure certificate; control power on sewing-machine shaft, bar to outside door.	Complied.	

DISTRICT No. 8—*Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
HAVERHILL.—Continued.								
N. F. Gorman,	Boots and shoes, .	27	9	—	—	Good, .	Box belt, guard set screws; control power on sewing-machine shaft.	Complied.
Bonner & Hall,	Taps, tongues and stays.	10	—	—	—	Good, .	None,	—
L. Johnson & Son,	Slippers,	23	2	—	—	Good, .	None,	—
J. S. Titcomb,	Shoe patterns and tips.	3	—	—	—	Good, .	None,	—
John H. May & Co.,	Ladies' slippers, .	34	13	—	—	Good, .	Designate water-closet; box sewing-machine shaft and belt; control power on sewing-machine shaft.	Complied.
W. B. Thom & Co.,	Fur hats,	300	100	—	—	Good, .	Control power on sewing-machine shaft.	Complied.
W. J. Donais,	Shoe tips,	3	—	—	—	Good, .	None,	—
W. P. McLaughlin & Co.,	Slippers,	7	3	—	—	Good, .	None,	—
Joseph N. Ham,	Low cuts,	2	1	—	—	Good, .	None,	—
Briggs & Co.,	Boots and shoes, .	25	—	—	—	Good, .	Box belt; guard rolling machine, .	Complied.
Moody & Hicks,	Boots and shoes, .	24	—	—	—	Good, .	None,	—
G. B. Case,	Women's shoes, .	25	12	—	—	Good, .	Control power on sewing-machine shaft.	Complied.
S. A. Tobie,	Soles, taps and stiffenings.	4	—	—	—	Good, .	None,	—

Lucy E. Drew,	Heels, . . .	3	2	-	-	Bad, .	Guard rolling machine; post time tables; provide separate water-closet for females; provide seats for females.	Moved.
John F. Davis,	Slippers, . . .	3	1	-	-	Good, .	None, . . .	-
G. M. Chase,	Boots and shoes, . . .	15	-	-	-	Good, .	None, . . .	-
G. W. Webster & Son,	Bottom stock, . . .	10	-	-	-	Good, .	None, . . .	-
R. B. Day,	Boots and shoes, . . .	70	-	-	-	Good, .	Guard rolling machine, . . .	Complied.
Webb & Wood,	Shoe counters, . . .	7	1	-	-	Good, .	None, . . .	-
Charles M. How,	Boots and shoes, . . .	4	1	-	-	Good, .	None, . . .	-
Hilliard & Taylor,	Boots and shoes, . . .	45	15	-	-	Good, .	Box belt; designate water-closets; guard rolling machine; control power on sewing-machine shaft.	Complied.
W. L. Dow,	Slippers, . . .	13	12	-	-	Good, .	Guard set screws, . . .	Complied.
Twombley & Rouleau,	Boots and shoes, . . .	25	-	-	-	Good, .	Guard set screws and rolling machine.	Complied.
Cerat & Bonin,	Boots and shoes, . . .	20	-	-	-	Good, .	Guard set screws, . . .	Complied.
F. A. Pierce & Co.,	Boots and shoes, . . .	4	6	-	-	Good, .	Designate water-closet; guard set screws; control power on sewing-machine shaft.	Complied.
M. C. Cram & Co.,	Boots and shoes, . . .	39	1	-	-	Good, .	Box belt and guard set screws, . . .	Complied.
J. I. Benedict & Son,	Boots and shoes, . . .	5	1	-	-	Good, .	Post time table, . . .	Complied.
H. L. Harris,	Boots and shoes, . . .	14	1	-	-	Good, .	None, . . .	-
G. H. Hoyt & Son,	Paper boxes, . . .	12	38	-	-	Good, .	None, . . .	-
Tappan & Morse,	Soles, taps and stiffenings, . . .	5	-	-	-	Good, .	None, . . .	-
F. S. & H. H. Gage,	Boots and shoes, . . .	25	15	-	-	Good, .	None, . . .	-
M. S. Vittum,	Boots and shoes, . . .	5	3	-	-	Good, .	None, . . .	-
J. T. Hill,	Slippers, . . .	6	2	-	-	Good, .	None, . . .	-
J. S. Lang,	Shoe stitching, . . .	1	13	-	-	Good, .	Guard set screws; control power on sewing-machine shaft.	Complied.
A. J. Tilton,	Boots and shoes, . . .	7	10	-	-	Good, .	Guard set screws, . . .	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.			14 to 16.			
		Males.	Females.					
LAWRENCE.								
Phillips & Kunhardt,	Men's woollens,	142	73	—	1	Good, .	None, .	Complied.
Kimball Bros.,	Boots and shoes,	200	100	—	3	Good, .	Guard splitting machine, fly-wheel and crank shaft; box heeling machine and belt on dinker, .	
Fred Ladd,	Wood boxes,	35	1	—	—	Good, .	Rail fly-wheel; box belts, . .	Complied.
Lawrence Line Co.,	Fish lines,	7	18	—	—	Good, .	None, .	Complied.
Stedman & Smith,	Mill machinery,	10	—	—	—	Good, .	Guard buffing wheels, . .	
Merrimac Paper Co., Coating Mill,	Book paper,	26	11	—	—	Good, .	Guard pulley and cutters; box belts, .	Complied.
MERRIMAC.								
W. O. Smiley,	Carriages,	8	—	—	—	Good, .	None, .	Complied.
Loud Bros.,	Carriages,	30	1	—	—	Good, .	Post time table,	
Merrimac Wheel & Gear Co., . .	Wheels and gears,	35	—	—	—	Good, .	Box belts; protect fly-wheel, crank shaft and elevator entrances, .	Complied.
Haverhill & Amesbury St. Ry., .	Electricity,	4	—	—	—	Good, .	Rail crank shaft and friction pulleys; change railing round fly-wheel, .	Complied.
C. H. Noyes & Son,	Carriages,	8	—	—	—	Good, .	None, .	Complied.
J. B. Judkins & Sons Co., . . .	Carriages,	75	—	—	—	Good, .	Protect elevator entrances, . .	
S. C. Pease & Sons,	Carriages,	49	1	—	—	Good, .	None, .	Complied.
C. E. Gunnison & Co.,	Carriages,	15	—	—	—	Good, .	None, .	
Clement & Young,	Carriages,	11	—	—	1	Good, .	Post time table; procure certificate, .	Complied.
A. M. Colby,	Carriages,	15	—	—	—	Good, .	None, .	Complied.

Wm. Chase & Son, . . .	Carriages, . . .	12	—	—	Good, . .	Guard elevator entrances, . .	Complied.
Means & Hopkins, . . .	Carriages, . . .	12	—	—	Good, . .	None, . . .	—
J. A. Lancaster & Co., . . .	Carriages, . . .	35	—	—	Good, . .	Guard openings, . . .	Complied.
H. G. & H. W. Stevens, . . .	Carriages, . . .	49	1	—	Good, . .	Box belt; control power on sewing-machine shaft.	—
MIDDLETON.							
A. P. Tyler & Co., . . .	Boots and shoes, . . .	30	20	—	Good, . .	Guard splitting and heeling machine; control power on sewing-machine shaft	Complied.
Middleton Paper Co., . . .	Wall paper, . . .	47	3	—	Fair, . .	Post time tables; designate water-closets; procure certificates; guard gearing on Foudriniet machine.	Complied.
C. A. Rogers, . . .	Boots and shoes, . . .	20	20	—	Good, . .	Guard fly-wheel and brush; control power on sewing-machine shaft.	—*
Danvers Pumping Station, . . .	Pumping, . . .	2	—	—	Good, . .	Guard openings in floors, . . .	Complied.
NORTH ANDOVER.							
Sutton Mill, . . .	Dress goods, . . .	55	40	—	Good, . .	Box belt; guard gears on washers, . . .	Complied.
Bay State Dye Works, . . .	Dyeing and finishing woollens, . . .	27	11	—	Good, . .	Guard openings in floors and gears on dryer.	Complied.
North Andover Mill, . . .	Dress goods, . . .	60	32	—	Good, . .	None, . . .	—
Stevens' Mill, . . .	Dress goods, . . .	92	59	—	Good, . .	Guard gears on washers; bars in dye house.	Complied.
Davis & Furber Machine Co., . . .	Mill machinery, . . .	310	10	—	—	Designate water-closets; guard opening in floor.	Complied.
NEWBURYPORT.							
Victoria Mills, . . .	Cotton cloth, . . .	96	180	—	Good, . .	Rail crank shaft; box belt; guard gear on calendering machine.	Complied.
Newburyport News, . . .	Printed paper, . . .	17	8	—	Good, . .	Post time tables, . . .	Complied.

* Moved to Indiana.

DISTRICT No. 8—*Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
NEWBURYPORT — <i>Concluded.</i>								
Newburyport Shoe Co., . . .	Boots and shoes, .	160	40	—	—	Good, .	Guard set screws; control power on sewing-machine shaft.	Complied.
E. P. Dodge Manufacturing Co., .	Boots and shoes, .	275	225	—	18	Good, .	Rail crank shaft; box shafting; box heading machines; control power on skiving and sewing-machine shafts.	Complied.
Dodge Bros.,	Boots and shoes, .	105	70	—	—	Good, .	Designate water-closets; guard set screws; control power on brush.	Complied.
C. E. Coffin & Co.,	Fur and wool hats,	175	75	—	9	Good, .	Guard crank shaft; control power on sewing-machine shaft.	Complied.
Towle Manufacturing Co.,	—	200	50	—	1	Good, .	None,	—
ROWLEY.								
Burke Heel Co.,	Heels,	75	—	—	—	Good, .	Protect elevator entrances, . . .	Complied.
W. C. Foster's Sons,	Boots and shoes, .	33	2	—	—	Good, .	Guard rolling machine; control power on sewing-machine shaft.	—
T. W. Henderson & Co.,	Boots and shoes, .	10	—	—	—	Good, .	None,	—
Milton Ellsworth,	Heels and rands, .	18	6	—	—	Good, .	Guard rolling machine,	—
Glen Mills,	Breadstuffs, . . .	12	—	—	—	Good, .	Guard opening in floor,	Complied.
George E. Daniels,	Wagons,	9	—	—	—	Good, .	None,	—
A. M. Root & Co.,	Boxes and lumber,	12	—	—	—	Good, .	None,	—

Mooney & Richardson, D. R. Prime Shoe Co., .	Heels, . Boots and shoes, .	16 17	4 3	— —	— —	Good, . Good, .	None, Guard rolling machine; box belt; control power on sewing-machine shaft.	— Complied.
TORSFIELD. W. H. Herrick, .	Boots and shoes, .	13	12	—	—	Fair, .	Guard fly-wheel; designate water- closets; post time table; control power on sewing-machine shaft.	Complied.

* Not complied.

REPORT OF INSPECTOR SHEEHAN.

DEAR SIR:— I hereby submit my annual report, giving the results of my observations of the workings of the several factory laws in the district assigned to me. There are no radical changes to note, but the same general progress and improvement that has been reported in past years, relative to the operation of the various laws, still continues to exist.

The law relating to the employment of women and minors, known as the “fifty-eight-hour” law, has been complied with in a very satisfactory manner. I have received no complaints from persons employed by the week, and those that work by the piece have not been able, the past year, to get work enough to do to keep them employed fifty-eight hours.

The law relating to the employment of minors between the ages of fourteen and sixteen years has been satisfactorily complied with. There have been, however, a few cases found where they were at work without proper certificates on file; but in all cases when attention was called to the fact certificates were obtained. The employment of children under the school age is getting to be a thing of the past. The good results of the law are to be seen in the reduced number of minors at present employed in the mills and factories, and will be the means of providing the mechanic of the future with a better education.

The laws relating to the safety of employees have been strictly enforced, and the safeguards that can be provided for the protection of life and limb have been adopted with excellent results. There is no law of the State that requires so much time and careful attention from the inspector as that which provides for keeping dangerous machines, shafting, gear wheels and set screws securely guarded or boxed. I can truthfully say that the employers very willingly comply with any order of that nature which is sent to them; but they are constantly changing the machinery for one reason or another, and when the inspector hears of an accident in a factory and goes to investigate the same he finds the factory that he had inspected and placed all right had been entirely changed around, and the safeguards that had been placed around the machinery and shafting were removed through the carelessness of the persons making the changes.

There have been three elevator accidents in my district during the past year, but none fatal. These accidents could in no way be attributed to the unsafe condition of the elevator or any of its parts. In my opinion, there is no machinery in common use more dangerous than elevators; and, although they are constantly in-

proving the hoisting machinery and safety devices, unless there is some one employed to take charge and operate the elevator, there will be accidents through the carelessness of persons who occasionally operate the same. The three accidents that occurred were caused by gross negligence.

The sanitary condition of factories and workshops is a matter of vital importance. I have found in some of the old buildings a sufficient number of water-closets for the use of both sexes, but in a number of instances the closets are not properly ventilated, and the gases coming from them circulate through the building, making the air very impure. The cities wherein these old factory buildings are have recently adopted plumbing ordinances, and appointed competent inspectors to see that all plumbing work in the future is properly performed. I have issued orders in every case where I thought necessary, and they have been complied with; and by acting in conjunction with the local boards of health, I believe that all the bad cases can be remedied.

Explosive or inflammable compounds are not found to be used or kept in factories or workshops in such manner or places as would render hazardous the egress of employees in case of fire. But a small quantity of such compound is kept on hand at any one time, and this in a small building outside the workshop.

I have received several complaints, and investigated the same, during the past year, of violations of the law relating to the hours of labor required of conductors and motormen on street railroad cars. I found that one of the largest corporations in the State was violating the law on different branches of its road, and it required a great deal of patience and perseverance to procure the evidence to that effect. When I visited the officials of the road, they denied that they were violating the law; but when I told them that I had the proof, they informed me that the law was unconstitutional, and they would fight the case in court. After several interviews the matter was amicably adjusted, to the satisfaction of both the corporation and employees.

I have also investigated several complaints of violations of the weekly payment law, and found that there was no disposition on the part of the corporations to violate the law. The agent of one of the largest ice companies informed me that it was not for want of funds, but that the employees were so scattered around the State that it was a hard matter to reach them weekly, and they would do the best they could to comply.

In conclusion, I would say that there has been but little friction in carrying out the spirit and letter of the various laws enacted for the safety and comfort of the employees.

DISTRICT No. 8,

JOHN J. SHEEHAN, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
BEVERLY.								
J. F. Carter & Co.,	Oil clothing,	20	20	—	Fair,	None,	—	
A. P. Thissell,	Boots and shoes,	21	9	—	Fair,	Guard fly-wheel of engine,	Complied.	
Woodbury Bros.,	Boots and shoes,	290	270	19	Good,	Procure certificates; guard roller machine.	Complied.	
D. A. Kilham & Co.,	Wood and paper boxes.	12	25	—	Good,	Guard staying machine,	Complied.	
Naumkeag Buffing Association,	Felt pads,	2	7	—	Good,	None,	—	
Whitman Manufacturing Co.,	Novelties,	10	10	—	Fair,	None,	—	
J. P. Friend & Co.,	Wood and paper boxes.	17	13	1	Good,	Procure certificate; guard staying machine.	Complied.	
Beverly Steam Laundry,	Laundry,	6	29	1	Good,	Procure certificate; unlock door,	Complied.	
Murray & Cone,	Boots and shoes,	60	40	—	Fair,	None,	—	
Consolidated Hand Made Lasting Machine Co.	Lasting machines,	75	—	—	Good,	None,	—	
Marsters & Walker,	Boots and shoes,	39	26	—	Good,	None,	—	
J. N. Smith & Co.,	Boots and shoes,	32	22	—	Fair,	None,	—	
Millett, Woodbury & Co.,	Boots and shoes,	60	40	—	Fair,	None,	—	
Seth Norwood Shoe Co.,	Boots and shoes,	100	50	—	Fair,	None,	—	
F. A. Seavey & Co.,	Boots and shoes,	65	35	—	Fair,	Guard shafting in stitching room,	Complied.	
William L. Wood,	Shoe stitching,	—	25	—	Good,	Post time table; guard set screws,	Complied.	
Bray, Standley & Co.,	Boots and shoes,	15	—	—	Fair,	Guard roller and dinker machines,	Complied.	
William E. Bailey,	Shoe machinery,	15	—	—	Good,	None,	—	

B. E. Cole & Co.,	Boots and shoes,	50	25	—	Good,	None,	Post time table,	Complied.
R. E. Larcum,	Shoe stitching,	—	50	—	Good,	None,	Post time table,	Complied.
S. F. Crossman,	Shoe stitching,	—	60	—	Good,	None,	Post time table,	Complied.
P. A. Field & Co.,	Boots and shoes,	98	7	—	Fair,	None,	Post time table,	Complied.
Myron Woodbury,	Boots and shoes,	13	2	—	Fair,	None,	Post time table,	Complied.
George H. Allen,	Wood and paper boxes,	30	16	2	Good,	None,	Post time table,	Complied.
R. E. Larcum,	Boots and shoes,	54	6	—	Fair,	None,	Post time table,	Complied.
Solon Lovett,	Shoe counters,	18	—	2	Good,	None,	Post time table,	Complied.
Levi K. Goodhue,	Heels,	10	5	—	Good,	None,	Post time table,	Complied.
John Wilson,	Slippers,	8	—	—	Fair,	None,	Post time table,	Complied.
Frank Woodbury,	Boots and shoes,	25	10	—	Good,	None,	Post time table,	Complied.
Charles H. Cressy,	Boots and shoes,	50	25	—	Fair,	None,	Post time table,	Complied.
J. A. Wallis & Co.,	Boots and shoes,	75	50	—	Fair,	None,	Post time table,	Complied.
F. W. Munroe & Co.,	Boots and shoes,	45	30	—	Fair,	None,	Post time table,	Complied.
J. H. Baker,	Boots and shoes,	85	40	—	Fair,	None,	Post time table,	Complied.
Baker Bros.,	Boots and shoes,	37	33	—	Fair,	None,	Post time table; guard elevator well, second floor; repair and adjust hoisting machinery.	Complied.
Curtis & Symmes,	Boots and shoes,	17	8	—	Fair,	None,	Designate water-closets; post time tables.	Complied.
D. J. Hassett & Co.,	Boots and shoes,	35	15	—	Fair,	None,	Designate water-closets; post time tables.	Complied.
L. G. Duley,	Shoe stitching,	—	20	—	Good,	Post time table; procure loose pulley to control power in stitching room.	Post time table; procure loose pulley to control power in stitching room.	Complied.
Raymond & Maeder,	Boots and shoes,	20	—	—	Fair,	Post time table,	Post time table,	Complied.
Lunt, Flint & Co.,	Boots and shoes,	19	1	—	Fair,	Post time table,	Post time table,	Complied.
C. S. Batehelder,	Turn shoes,	12	—	—	Good,	None,	Post time table; box belt on third floor.	Complied.
W. E. Tuck & Co.,	Boots and shoes,	18	17	—	Fair,	Post time table; box belt on third floor.	Post time table; box belt on third floor.	Complied.
I. M. Carter,	Button holes,	2	13	—	Good,	Post time table; procure loose pulley to control power in stitching room.	Post time table; procure loose pulley to control power in stitching room.	Complied.

DISTRICT No. 8—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BEVERLY — <i>Concluded.</i>								
Conway & Co.,	Heels,	10	—	—	—	Fair, .	None, .	—
A. Perry & Co.,	Boots and shoes, .	50	20	—	—	Fair, .	None, .	—
DANVERS.								
L. E. Learoyd,	Morocco,	50	—	—	—	Fair, .	Box belt and pulley on first floor, .	Complied.
A. B. Clark,	Morocco,	20	—	—	—	Fair, .	Guard fly-wheel of engine; repair floor over the boiler.	Complied.
Bernard, Friedman & Co., .	Morocco,	131	2	—	3	Fair, .	Guard steam fans,	Complied.
J. L. Jellerson & Co., . . .	Boots and shoes, .	35	25	—	—	Fair, .	None, .	—
J. E. Crosby & Co.,	Boots and shoes, .	30	20	—	—	Fair, .	Repair safety on elevator car, .	Complied.
Carleton & Huckins,	Boots and shoes, .	18	17	—	—	Fair, .	None, .	—
Clapp & Tapley,	Boots and shoes, .	72	3	—	1	Fair, .	None, .	—
F. U. French,	Shoe stitching, .	—	40	—	—	Good, .	None, .	—
George W. Baker,	Boots and shoes, .	19	6	—	—	Fair, .	None, .	—
C. A. Keath,	Boots and shoes, .	12	8	—	—	Fair, .	None, .	—
Albert A. Bates,	Morocco,	15	—	—	—	Fair, .	None, .	—
Cross & Murphy,	Morocco,	14	—	—	—	Fair, .	None, .	—
Pierce Rubber Co.,	Grinding rubber, .	12	—	—	—	Good, .	None, .	—
Woodman Bros.,	Wood and paper boxes, .	18	12	—	1	Good, .	None, .	—
James H. Nangle,	Shoe stitching, .	3	15	—	—	Good, .	None, .	—
A. H. Putnam,	Felt slippers, .	12	3	—	—	Good, .	None, .	—
C. L. Elliott,	Boots and shoes, .	14	4	—	—	Fair, .	Post time tables, .	Complied.

J. H. Regan, James W. Tullock, Derry & Gould, .	Boots and shoes, . Boots and shoes, . Wood and paper boxes.	21 12 16	4 8 10	- - -	- - -	Fair, Fair, Good,	None, None, None,	. . . . .	. . . . .	- - -
W. H. Burns, C. C. Farwell & Co., Eaton & Sears, .	Boots and shoes, . Boots and shoes, . Boots and shoes, .	65 115 25	35 85 50	- - -	- - -	Fair, Fair, Fair,	None, None, None,	. . . . .	. . . . .	- - -
Essex.										
Essex Shoe Co., .	Boots and shoes, .	46	24	-	-	Fair,	Post time tables; designate closets, guard roller and dinker machines, and shafting in stitching room; provide loose pulley to control power.	Complied.		
Gloucester.										
Russia Cement Co., .	Cement, .	20	18	-	-	Good,	Guard shaft and pulley on second floor	Complied.		
Gloucester Net & Twine Co., Cape Ann Shoe Co., . Merchant Box Co., . Cape Ann Anchor Co., J. H. Rowe, . John Pew & Sons, .	Netting and twine, Boots and shoes, . Boxes, . Castings, . Oil clothing, Fish packing, .	11 130 30 75 4 38	125 128 2 - 18 12	- 10 - - - -	- - - - - -	Good, Good, Good, Good, Good, Good,	None, Designate water-closets, . None, None, None, None, None,	. . . . . . . . . . .	. . . . . . . . . . .	- Complied. - - - -
Ipswich.										
Ipswich Upper Mills, .	Hosiery, .	183	296	-	-	Good,	Box belt in stone mill; guard crank shaft of engine.	Complied.		
Ipswich Lower Mills, M. Davis, .	Hosiery, . Shoe stitching, .	12 -	88 25	- -	- -	Good, Good,	None, Post time table; provide loose pul- ley to control power.	- Complied.		

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
Ipswich — Concluded.							
Ipswich Shoe Co., . . .	Boots and shoes, .	25	—	—	Good, .	Post time table; guard fly-wheel of engine; repair floor of engine room.	Complied.
Millett & Woodbury, . . .	Boots and shoes, .	40	25	—	Fair, .	None,	—
Farley & Daniels, . . .	Boots and shoes, .	20	5	—	Fair, .	None,	—
LYNN.							
Farrell & Hurley, . . .	Soles,	6	—	1	Fair, .	Post time table; guard set screw, .	Complied.
Haskell, Rich & Co., . . .	Boots and shoes, .	20	10	—	Fair, .	None,	—
Leary & Luddy, . . .	Boots and shoes, .	100	75	—	Fair, .	None,	—
Mark J. Worthley, . . .	Boots and shoes, .	130	70	—	Fair, .	Guard shafting in stitching room, .	Complied.
Lynn Box Co., . . .	Wood and paper boxes.	25	50	—	Good, .	Post time tables; guard fly-wheel, paper cutter.	Complied.
Eckhardt & Ford, . . .	Boots and shoes, .	20	15	—	Fair, .	None,	—
William F. Sheehan, . . .	Boots and shoes, .	13	12	—	Fair, .	Guard shafting and set screw in stitching room.	Complied.
E. A. Hubbard, . . .	Shoe stock, . . .	12	—	—	Fair, .	None,	—
Hall & Munsey, . . .	Shoe shanks, . .	8	—	—	Fair, .	None,	—
Crossman Box Co., . . .	Wood and paper boxes.	10	30	—	Good, .	None,	—
J. F. O'Hara & Co., . . .	Boots and shoes, .	30	—	—	Fair, .	None,	—
Boston Steam Laundry Co., . .	Laundry, . . .	3	13	—	Good, .	None,	—

J. R. Skerry & Co.,	Boots and shoes,	15	-	-	Fair,	None,	•	•	•	•	-
George W. Emerson,	Shoe machinery,	18	-	-	Fair,	None,	•	•	•	•	-
H. S. Johnson,	Leather boots,	2	8	-	Good,	Post time table,	•	•	•	•	Complied.
Cutter & Ames,	Shoe stock,	10	2	-	Fair,	Post time table,	•	•	•	•	Complied.
Mrs. C. H. King,	Boots and shoes,	30	45	-	Fair,	None,	•	•	•	•	-
Mower & Cross,	Boots and shoes,	11	9	-	Fair,	None,	•	•	•	•	-
J. F. Hurley & Co.,	Boots and shoes,	19	16	-	Fair,	None,	•	•	•	•	-
C. H. Libby & Co.,	Soles,	10	-	-	Fair,	None,	•	•	•	•	-
United States Shoe Co.,	Boots and shoes,	50	25	-	Fair,	Guard shafting in stitching room,	•	•	•	•	Complied.
A. B. Martin & Co.,	Leather,	125	-	-	Fair,	Post time tables; box belts on second floor.	•	•	•	•	Complied.
Osmus Phillips,	Machine needles,	20	-	-	Fair,	None,	•	•	•	•	-
George H. Allen,	Wood and paper boxes.	15	50	-	Fair,	None,	•	•	•	•	-
A. F. Smith,	Boots and shoes,	260	140	-	Good,	None,	•	•	•	•	-
George W. Harnden,	Pasted shoe stock,	15	25	-	Fair,	Guard elevator well on second and third floors; repair safety on car.	•	•	•	•	Complied.
Hurd & Howes,	Laundry,	4	16	-	Fair,	None,	•	•	•	•	-
John Donallen & Son,	Morocco,	50	-	-	Fair,	None,	•	•	•	•	-
Moulton Leather Co.,	Morocco,	75	-	-	Fair,	None,	•	•	•	•	-
F. L. Johnson,	Boots and shoes,	10	-	-	Fair,	None,	•	•	•	•	-
Shortell & Hearn,	Boots and shoes,	15	15	-	Fair,	None,	•	•	•	•	-
F. H. Haskell,	Mouldings,	10	-	-	Good,	Repair table around circular saw,	•	•	•	•	Complied.
Parker Bros.,	Shoe findings,	6	14	-	Good,	Guard elevator well, second floor; procure new cable for elevator.	•	•	•	•	Complied.
Star Printing Co.,	Gum labels,	9	1	-	Good,	Box belt, second floor; unlock doors,	•	•	•	•	Complied.
E. M. Cole,	Boots and shoes,	10	-	-	Fair,	None,	•	•	•	•	-
Morton & Lyme,	Counters,	9	-	-	Fair,	None,	•	•	•	•	-
W. F. Hill & Co.,	Shoe stock,	6	-	-	Fair,	None,	•	•	•	•	-
Ross Heel Co.,	Wooden heels,	6	2	-	Fair,	None,	•	•	•	•	-

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
LYNN — <i>Continued.</i>							
Welch & Landregan, . . .	Boots and shoes, .	90	70	—	Fair, .	Post time tables; guard elevator well and shafting in stitching room.	Complied.
Brown & Atherton, . . .	Boots and shoes, .	27	19	—	Fair, .	Box nailer machine, .	Complied.
W. F. Morgan, . . .	Boots and shoes, .	45	15	—	Fair, .	None, .	—
Legro & Allen, . . .	Boots and shoes, .	95	5	—	Fair, .	Designate water-closets, .	Complied.
H. B. Learned, . . .	Shoe stitching, .	—	50	—	Good, .	None, .	—
Charles M. Bachellor, . .	Soles, . . .	6	—	—	Good, .	None, .	—
Randall, Upham & Co., .	Soles, . . .	8	—	—	Good, .	None, .	—
Pierce & Sibley, . . .	Boots and shoes, .	27	15	—	Fair, .	None, .	—
James Phelan & Sons, . .	Boots and shoes, .	200	100	—	Fair, .	Post time tables; designate closets; guard fly-wheel and crank of engine.	Complied.
Charles B. Tebbetts, . . .	Boots and shoes, .	150	50	—	Fair, .	Unlock doors, .	Complied.
Marshall & Hamley, . . .	Soles, . . .	6	—	1	Good, .	Post time table; procure certificate, .	Complied.
Ilurley, Moran & Cashman, .	Boots and shoes, .	25	20	—	Fair, .	Post time tables; guard roller mach, .	Complied.
George & Bro., . . .	Soles, . . .	12	—	—	Good, .	None, .	—
Lynn & Boston Electric R.R. Co.,	Power house, .	10	—	—	Good, .	Guard cranks of engines, .	Complied.
Dickinson & Cobb, . . .	Boots and shoes, .	45	20	—	Fair, .	None, .	—
A. A. Pitman, . . .	Felt slippers, .	7	5	—	Fair, .	None, .	—
Waterson & Hinsman, . . .	Boots and shoes, .	9	5	—	Fair, .	None, .	—

I. M. Atwill,	Boots and shoes,	26	14	-	-	Fair,	Post time tables; designate water-closets.	Complied.
Abbott Slipper Co.,	Slippers,	10	12	-	-	Fair,	Designate water-closets,	Complied.
John H. Parke,	Slippers,	26	14	-	-	Fair,	None,	-
John G. Ross,	Wooden heels,	4	8	-	-	Fair,	-	-
George E. Barnard & Co.,	Boots and shoes,	300	100	-	-	Fair,	Post time tables,	Complied.
Thomas G. Plant Shoe Co.,	Boots and shoes,	300	200	-	-	Fair,	Post time tables,	Complied.
Blanchard, Jaques & Co.,	Boots and shoes,	25	25	-	1	Fair,	Post time tables; procure certificate; guard roller machine and shafting; in stitching room.	Complied.
Rice & Hutchins,	Boots and shoes,	45	40	-	1	Fair,	Post time tables; procure certificate; guard shafting in stitching room; unlock doors.	Complied.
Luther S. Johnson,	Boots and shoes,	85	15	-	-	Fair,	None,	-
Willis W. George,	Soles,	11	-	-	-	Good,	None,	-
Brown & Oliver,	Soles,	10	-	-	-	Good,	None,	-
Willis Hanson,	Soles,	9	-	-	-	Good,	None,	-
D. S. Boynton,	Soles,	10	-	-	-	Good,	None,	-
N. D. C. Brown,	Soles,	9	-	-	-	Good,	None,	-
Souther & Bubier,	Soles,	8	-	-	-	Good,	None,	-
R. E. Hilliard,	Soles,	25	-	-	-	Good,	None,	-
William Porter & Sons,	Boots and shoes,	150	25	-	-	Fair,	Designate water-closets,	Complied.
Lothrop & Peaslee,	Shoe stitching,	15	60	-	-	Good,	None,	-
N. Y. Shoe Manufacturing Co.,	Boots and shoes,	48	2	-	-	Fair,	None,	-
William T. Ash,	Boots and shoes,	85	40	-	-	Fair,	None,	-
P. H. Nourse,	Soles,	10	-	-	-	Good,	None,	-
G. A. & E. A. Mansfield,	Slippers,	15	5	-	-	Fair,	None,	-
W. F. Cushing & Co.,	Boots and shoes,	19	1	-	-	Fair,	None,	-
F. H. Houghton,	Shoe stock,	8	-	-	-	Good,	None,	-
Frank Kollock,	Slippers,	10	-	-	-	Fair,	None,	-
North Shore Shoe Co.,	Boots and shoes,	27	1	-	-	Fair,	None,	-

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		NUMBER EMPLOYED.							
		Males.	Females.	Under 14.	14 to 16.				
LYNN — Continued.									
E. A. Patch,	Shoe stitching,	—	40	—	—	Good,	Post time table,	Complied.	
E. S. Johnson,	Soles,	9	—	—	—	Good,	None,	—	
R. G. Harris & Co.,	Boots and shoes,	30	35	—	—	Fair,	Designate water-closets,	Complied.	
Placide Hebert,	Boots and shoes,	45	30	—	—	Fair,	Post time tables; guard roller machine.	Complied.	
Horgan, Timson & Co,	Boots and shoes,	25	20	—	—	Fair,	Guard shafting in stitching room,	Complied.	
Atkins, Hoyt & Co.,	Soles,	7	—	—	—	Good,	None,	—	
D. A. Sutherland & Co.,	Boots and shoes,	55	20	—	—	Fair,	None,	—	
Healy Bros.,	Boots and shoes,	50	—	—	—	Fair,	None,	—	
John Tuck,	Shoe stitching,	—	25	—	—	Good,	None,	—	
F. L. Bubier,	Soles,	9	—	—	—	Good,	None,	—	
Harney Bros.,	Boots and shoes,	300	200	—	1	Fair,	Guard shafting in stitching room,	Complied.	
Skinner & Scott,	Wheels,	15	—	—	—	Fair,	None,	—	
Kelham & Tilton,	Boots and shoes,	25	20	—	—	Fair,	Post time tables; designate water-closets.	Complied.	
Melanson & Roop,	Boots and shoes,	20	—	—	—	Fair,	None,	—	
W. H. Ingalls,	Boots and shoes,	30	30	—	—	Fair,	Guard shafting in stitching room,	Complied.	
W. P. Upton,	Shoe stitching,	—	33	—	—	Good,	None,	—	
Sargent, Merrill & Co.,	Boots and shoes,	35	—	—	—	Fair,	Guard dinker machine,	Complied.	
J. B. Law & Co.,	Boots and shoes,	25	25	—	—	Fair,	None,	—	
J. E. Law & Co.,	Labels,	8	—	—	—	Good,	None,	—	
W. E. Downing,	Shirts,	1	15	—	—	Good,	None,	—	

C. A. Roberts	Boots and shoes, .	25	-	Fair, .	None, .	-	Completed.
J. F. Frost, .	Soles, .	6	1	Fair, .	None, .	-	Completed.
H. Y. Emery,	Boots and shoes, .	20	-	Fair, .	None, .	-	Completed.
Coffin & Shrivens, .	Shoe stitching, .	-	45	Good, .	None, .	-	Completed.
F. W. Pinkham, .	Shoes, .	13	7	Good, .	Post time table, .	-	Completed.
J. E. Leary, .	Shoe stitching, .	1	8	Good, .	Post time table, .	-	Completed.
George Covell, .	Shoe stitching, .	-	12	Good, .	Post time table, .	-	Completed.
H. F. Ashton, .	Shoe stitching, .	1	24	Good, .	Post time table, .	-	Completed.
O. W. Buzzell, .	Sandpaper, .	8	-	Fair, .	None, .	-	Completed.
Clish, Green & Co.,	Shoe cutting, .	7	-	Good, .	None, .	-	Completed.
F. E. Willis, .	Shoe cutting, .	6	-	Good, .	None, .	-	Completed.
P. P. Sherry, .	Boots and shoes, .	45	25	Fair, .	None, .	-	Completed.
John Ellis & Co., .	Silver plating, .	10	-	Fair, .	None, .	-	Completed.
Lynn Pearl Button Co.,	Pearl buttons, .	13	7	Fair, .	Post time tables; guard shaftings, .	-	Completed.
Charles Saunders,	Nickel plating, .	10	-	Fair, .	None, .	-	Completed.
Joseph A. Callahan,	Laundry, .	5	9	Good, .	None, .	-	Completed.
D. J. Hayden, .	Shoes, .	10	-	Fair, .	Guard roller machine, .	-	Completed.
Whitten & Cass, .	Printing, .	11	1	Good, .	Post time table, .	-	Completed.
White Bros., .	Bookbinding, .	3	7	Good, .	Post time table, .	-	Completed.
Russell & Co., .	Shoe stock, .	10	-	Fair, .	None, .	-	Completed.
J. B. Renton, .	Heels, .	200	-	Good, .	None, .	-	Completed.
G. W. Herrick, .	Boots and shoes, .	75	75	Fair, .	None, .	-	Completed.
C. M. Howard, .	Boots and shoes, .	40	35	Fair, .	Guard fly-wheel of engine, .	-	Completed.
Bartlett Shoe Co.,	Boots and shoes, .	63	3	Fair, .	None, .	-	Completed.
Leonard Shoe Co.,	Boots and shoes, .	100	50	Good, .	None, .	-	Completed.
A. G. Potter, .	Wood and paper boxes, .	7	8	Good, .	Guard fly-wheel of engine, .	-	Completed.
George C. Herbert,	Printing, .	5	-	Good, .	Post time table, .	-	Completed.
C. W. Carlin & Co.,	Boots and shoes, .	19	1	Fair, .	Repair gates of elevator well, .	-	Completed.
Amos T. Stocker, .	Shoe stitching, .	5	15	Good, .	None, .	-	Completed.
George H. Millan, Jr.,	Shoe stitching, .	2	18	Good, .	None, .	-	Completed.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.			
LYNN — Continued.							
W. W. Cilley & Co.,	Shoe stitching,	—	40	—	Good,	None,	—
C. S. Sweetser,	Boots and shoes,	30	—	—	Fair,	None,	—
Brown & Balcomb,	Boots and shoes,	42	18	—	Fair,	None,	—
Frank Hilliard,	Soles,	20	—	—	Good,	None,	—
George A. Bodwell,	Soles,	10	—	—	Good,	None,	—
Usher, Morse & Co.,	Boots and shoes,	12	1	—	Fair,	None,	—
B. Warren Skinner,	Pasted shoe stock,	6	9	—	Fair,	None,	—
Quincy A. Towne's Firm,	Counters,	24	6	—	Good,	None,	—
Charles Ingalls,	Boots and shoes,	14	—	—	Fair,	None,	—
William Dennison,	Heels,	6	—	—	Good,	None,	—
T. C. Johnson,	Soles,	14	—	—	Good,	None,	—
Granite Shoe Co.,	Boots and shoes,	59	25	—	Fair,	None,	—
V. K. & A. H. Jones,	Boots and shoes,	126	54	—	Fair,	None,	—
Fuller & Besse,	Custom boots,	6	2	—	Fair,	Post time table; designate water-closet.	Complied.
W. A. Faulkner,	Soles,	8	—	—	Good,	None,	—
A. M. Pendergast,	Shoe stitching,	—	10	—	Good,	Post time table,	Complied.
C. E. W. Elliott,	Shoe cutting,	6	—	—	Good,	None,	—
Goggins & Demarest,	Boots and shoes,	9	1	—	Fair,	Designate closet; guard roller machine.	Complied.
C. H. Ingalls & Co.,	Boots and shoes,	44	31	—	Fair,	None,	—
Creighton Bros.,	Boots and shoes,	33	25	—	Fair,	None,	—

Whitten & Lascelle,	Machine needles,	24	1	—	Fair,	None,	•	•	•	•	—
James D. Stevens,	Shoe stitching,	—	30	—	Good,	None,	•	•	•	•	—
Timothy Kiely & Sons,	Boots and shoes,	23	12	—	Fair,	None,	•	•	•	•	—
Page Bros.,	Wooden heels,	5	1	—	Good,	Post time table,	•	•	•	•	Complied.
Lynn Carpet Cleaning Co.,	Cleaning carpets,	7	—	—	Fair,	Guard set screw in shaft,	•	•	•	•	Complied.
S. B. Breed,	Machinist,	12	—	—	Fair,	None,	•	•	•	•	—
Walter S. Dickson,	Soles,	12	—	—	Good,	None,	•	•	•	•	—
Phelan, Purviance & Co.,	Boots and shoes,	40	25	—	Fair,	Post time tables; designate water-closets.	•	•	•	•	Complied.
Maurice Flynn,	Boots and shoes,	86	54	—	Fair,	Box belts on fourth floor; designate water-closets; unlock doors.	•	•	•	•	Complied.
L. J. Richard & Co.,	Boots and shoes,	35	26	—	Fair,	Post time tables; guard shafting in stitching room.	•	•	•	•	Complied.
S. J. Hollis & Co.,	Boots and shoes,	95	55	—	Fair,	None,	•	•	•	•	—
Young & Sampson,	Counters,	45	—	—	Good,	None,	•	•	•	•	—
W. J. Young,	Counters,	20	—	2	Good,	None,	•	•	•	•	—
J. T. Sutherland,	Counters,	18	—	—	Good,	None,	•	•	•	•	—
Richard McBrine,	Boots and shoes,	48	2	—	Fair,	None,	•	•	•	•	—
J. D. Mullen & Son,	Boots and shoes,	35	25	—	Fair,	None,	•	•	•	•	—
Lord & Barker,	Boots and shoes,	18	2	—	Fair,	Guard roller machine,	•	•	•	•	Complied.
D. J. Richard,	Boots and shoes,	100	50	—	Fair,	Procure certificate; guard roller machine.	•	•	•	•	Complied.
Gilbert B. Look,	Shoe stock,	10	—	—	Fair,	None,	•	•	•	•	—
Tripp Union Leveller Co.,	Shoe machinery,	25	—	—	Fair,	None,	•	•	•	•	—
Radpath Bros.,	Boots and shoes,	30	20	—	Fair,	Post time tables,	•	•	•	•	Complied.
John F. Flynn,	Boots and shoes,	18	—	—	Fair,	None,	•	•	•	•	—
Eli B. Gloyd,	Innersoles,	18	—	—	Fair,	None,	•	•	•	•	—
J. L. Libby & Co.,	Soles,	12	—	—	Good,	Repair water-closet,	•	•	•	•	Complied.
Faunce & Spiney,	Boots and shoes,	250	150	—	Fair,	Procure certificates; guard shafting in stitching room.	•	•	•	•	Complied.
George H. Johnson,	Dye house,	10	18	—	Fair,	None,	•	•	•	•	—

DISTRICT NO. 8—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.			
				14 to 16.			
LYNN — Continued.							
Lynn Heel Co.,	Heels,	20	20	—	Fair,	None,	—
Preble and Worth,	Boots and shoes,	30	20	—	Fair,	Guard roller machine,	Complied.
Murphy Bros.,	Boots and shoes,	90	60	—	Fair,	None,	—
The Crossman Co.,	Heels,	8	—	—	Fair,	None,	—
F. L. Spinney & Co.,	Boots and shoes,	18	17	—	Fair,	None,	—
W. H. Blake,	Laundry,	7	13	—	Fair,	None,	—
Thomas & Tarr,	Boots and shoes,	40	20	—	Fair,	None,	—
Thomas Bros.,	Wood and paper boxes,	12	20	—	Fair,	None,	—
Jones & Curtis,	Boots and shoes,	40	20	—	Fair,	None,	—
Fisher & Lane,	Slippers,	40	20	—	Fair,	None,	—
Kollock, Logan & Co.,	Boots and shoes,	50	25	—	Fair,	None,	—
Charles E. Blake & Co.,	Boots and shoes,	50	25	—	Fair,	None,	—
Lydia Pinkham Medicine Co.,	Medicines,	8	6	—	Good,	None,	—
H. F. McCarthy,	Boots and shoes,	20	15	—	Fair,	None,	—
George E. Marsh & Co.,	Soaps,	25	—	—	Fair,	None,	—
Charles W. Harwood,	Counters,	100	—	—	Good,	None,	—
Nicholas Webber & Son,	Leather,	125	—	—	Fair,	None,	—
J. F. Cuniff & Co.,	Boots and shoes,	35	25	—	Fair,	Guard roller machine,	Complied.
J. L. Walker,	Boots and shoes,	43	7	—	Fair,	Post time tables; procure certificate,	Complied.
M. E. Wheelock,	Shoe stitching,	—	25	—	Good,	None,	—

Shillaber & Co., . . .	Boots and shoes, . .	200	150	1	Fair, .	Post time tables; procure certificate.	Complied.
New York Shoe Co., . .	Boots and shoes, . .	50	25	—	Fair, .	Guard set screw; designate closet; procure loose pulley to control motive power.	Complied.
Plummer & Littlefield, .	Wood and paper boxes.	20	50	3	Good, .	Guard crank shaft of engine, . .	Complied.
F. C. Stickney, . . .	Boots and shoes, . .	25	25	—	Fair, .	None,	—
Rumsey Bros., . . .	Boots and shoes, . .	125	75	—	Fair, .	None,	—
A. C. Hunt,	Shoe stitching, . .	—	35	—	Good, .	Guard shafting in stitching room, .	Complied.
Seymour & Jackson, . .	Boots and shoes, . .	30	20	—	Fair, .	Post time tables,	Complied.
C. H. Aborn & Co., . .	Boots and shoes, . .	145	5	—	Fair, .	Post time tables,	Complied.
G. Austin,	Shoe stitching, . .	2	100	—	Good, .	None,	—
C. W. Varney & Co., . .	Boots and shoes, . .	140	60	—	Fair, .	Guard elevator well on each floor, .	Complied.
Virtue, Spinney & Co., .	Rubber soles, . . .	21	1	—	Good, .	Box gearing of callenders on first floor.	Complied.
West Lynn Shoe Co., . .	Boots and shoes, . .	29	16	—	Fair, .	None,	—
Hennessy Shoe Co., . .	Boots and shoes, . .	30	20	—	Fair, .	None,	—
Poupeville & Chaffardon, .	Leather,	100	—	—	Fair, .	None,	—
A. E. & H. E. Dodge, . .	Bag leather,	25	—	—	Fair, .	None,	—
George C. Davis, . . .	Boots and shoes, . .	90	5	1	Good, .	None,	—
G. Austin,	Shoe stitching, . .	—	70	—	Good, .	None,	—
H. C. Mears,	Shoe stitching, . .	—	50	—	Good, .	None,	—
Hoag & Heath,	Boots and shoes, . .	98	2	—	Fair, .	None,	—
John M. Noyes,	Boots and shoes, . .	85	50	1	Fair, .	None,	—
D. A. Donavon & Co, . .	Boots and shoes, . .	100	50	—	Fair, .	None,	—
J. J. Grover's Sons, . .	Boots and shoes, . .	30	30	—	Good, .	None,	—
Corcoran & Callahan, . .	Boots and shoes, . .	65	60	—	Fair, .	None,	—
Noble Stove Co., . . .	Stoves,	120	—	—	Fair, .	None,	—
Timothy Merritt, . . .	Hats,	25	25	—	Good, .	None,	—

DISTRICT No. 8—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LYNN — <i>Concluded.</i>								
Burwell Shoe Co., . . .	Boots and shoes, .	35	15	—	1	Fair, .	Post time tables; procure certificate; unlock doors.	Complied.
Benjamin Dore, . . .	Boots and shoes, .	25	25	—	—	Fair, .	Post time tables; guard roller and dinker machines, and shafting in stitching room.	Complied.
Lecroix Bros., . . .	Soles, . . .	40	—	—	—	Good, .	Unlock doors, . . .	Complied.
Baker & Creighton, . . .	Boots and shoes, .	100	50	—	—	Fair, .	Post time tables; guard elevator well on each floor; set screw in stitching room, roller and dinker machines; unlock doors.	Complied.
Durgin & Tuttle, . . .	Boots and shoes, .	23	2	—	—	Fair, .	Post time tables; guard elevator well on each floor; ventilate closets, and keep them clean.	Complied.
E C. Hunt & Co., . . .	Shoe stitching, .	—	20	—	—	Good, .	None, . . .	—
J. B. Rooney, . . .	Machinery, . . .	6	—	—	—	Good, .	Provide water-closet, . . .	Complied.
W. A. Brown, . . .	Machinery, . . .	10	—	—	—	Good, .	Provide water-closet, . . .	Complied.
George B. Collins & Co., . . .	Leather board, . . .	8	—	—	—	Good, .	Provide water-closet, . . .	Complied.
Pierce & Jordan, . . .	Heels, . . .	12	—	—	—	Good, .	Provide water-closets, . . .	Complied.
Legro & Allen, . . .	Boots and shoes, .	95	5	—	—	Fair, .	Ventilate water-closets, and keep them clean.	Complied.
J. W. Healy & Co., . . .	Boots and shoes, .	50	—	—	—	Fair, .	Ventilate water-closets, and keep them clean.	Complied.

Gardner & McManus, . . .	Counters, . . .	20	—	—	Fair, . . .	Ventilate water-closets, and keep them clean.	Complied.
Williams, Clark & Co., . . .	Boots and shoes, . . .	150	100	—	Fair, . . .	Post time tables; designate water-closets.	Complied.
Brophy Bros. Shoe Co., . . .	Boots and shoes, . . .	50	50	—	Fair, . . .	Post time tables; designate water-closets.	Complied.
James M. Gaffney, . . .	Boots and shoes, . . .	30	—	—	Fair, . . .	None, . . .	—
Thomson-Houston Electric Co., . . .	Dynamos, . . .	1,220	134	—	Good, . . .	None, . . .	—
Thomson-Houston River Works, . . .	Castings, . . .	200	—	—	Good, . . .	None, . . .	—
LYNNFIELD.							
Henry Law, . . .	Boots and shoes, . . .	90	60	—	Fair, . . .	None, . . .	—
MANCHESTER.							
A. S. & G. W. Jewett, . . .	Furniture, . . .	6	—	—	Good, . . .	None, . . .	—
W. G. Wheaton, . . .	Furniture, . . .	8	—	—	Good, . . .	None, . . .	—
J. M. & C. C. Dodge, . . .	Furniture, . . .	15	—	—	Good, . . .	None, . . .	—
Roberts & Hoare, . . .	Doors and blinds, . . .	30	—	—	Good, . . .	None, . . .	—
MARBLEHEAD.							
Glass & Pierce, . . .	Boots and shoes, . . .	13	9	—	Fair, . . .	Post time table, . . .	Complied.
William T. Litchman, . . .	Boots and shoes, . . .	28	12	—	Fair, . . .	Post time tables, . . .	Complied.
J. B. Litchman, . . .	Boots and shoes, . . .	22	15	—	Fair, . . .	Post time tables; new shipper rope for elevator.	Complied.
Wright Bros., . . .	Boots and shoes, . . .	26	14	—	Fair, . . .	None, . . .	—
Millett Shoe Co., . . .	Boots and shoes, . . .	15	15	—	Fair, . . .	None, . . .	—
I. M. Munroe, . . .	Boots and shoes, . . .	30	20	—	Good, . . .	None, . . .	—
John Lancy, Jr., . . .	Boots and shoes, . . .	120	60	—	Fair, . . .	None, . . .	—
Cole & Wiggan, . . .	Boots and shoes, . . .	25	—	—	Good, . . .	None, . . .	—
Edward Hathaway, . . .	Shoe stitching, . . .	1	7	—	Good, . . .	Post time table; procure certificate; guard set screw on shafting.	Complied.

DISTRICT No. 8—*Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		14 to 16.			Under 14.				
		Males.	Females.	14 to 16.					
MARBLEHEAD — <i>Concluded.</i>									
F. H. Stevens & Co., . . .	Boots and shoes, .	35	25	—	Fair, .	.	None,	—	
G. L. Metcalf, . . .	Wood and paper boxes.	8	12	—	Good, .	.	None,	—	
F. A. Parker & Co., . . .	Boots and shoes, .	50	30	—	Good, .	.	None,	—	
C. Tucker, . . .	Boots and shoes, .	18	12	—	Good, .	.	None,	—	
John C. Peach, . . .	Boots and shoes, .	45	30	—	Good, .	.	None,	—	
W. H. Boynton & Son, . . .	Boots and shoes, .	50	25	—	Fair, .	.	None,	—	
J. B. Witham, . . .	Boots and shoes, .	30	20	—	Fair, .	.	None,	—	
S. A. Sparhawk, . . .	Boots and shoes, .	15	11	—	Fair, .	.	None,	—	
S. C. Roundy, . . .	Boots and shoes, .	11	9	—	Fair, .	.	None,	—	
George Hooper, 2d, . . .	Boots and shoes, .	40	30	—	Fair, .	.	None,	—	
R. H. Union, . . .	Boots and shoes, .	45	30	—	Fair, .	.	None,	—	
Bridges Bros., . . .	Boots and shoes, .	20	15	—	Fair, .	.	None,	—	
Thomas Blackler, . . .	Boots and shoes, .	15	15	—	Fair, .	.	None,	—	
L. M. Frye, . . .	Shoe stitching, .	—	12	—	Fair, .	.	None,	—	
W. E. Brown, 2d, . . .	Boots and shoes, .	50	25	—	Fair, .	.	None,	—	
J. J. H. Gregory, . . .	Seed packing, .	6	24	—	Good, .	.	None,	—	
F. H. Carroll, . . .	Boots and shoes, .	10	5	—	Fair, .	.	None,	—	
PEABODY.									
Edward Eagan & Son, . . .	Leather, .	25	—	—	Fair, .	.	None,	—	
George J. Winchester, . . .	Leather, .	30	—	—	Fair, .	.	None,	—	

Patrick Butler,	Innersoles,	5	5	—	—	Fair,	None,	—	Complied.
William P. Clark & Co.,	Leather,	45	—	—	—	Fair,	None,	—	Complied.
George Foad,	Leather,	37	—	—	—	Fair,	None,	—	Complied.
Annable Bros.,	Leather,	30	—	—	—	Fair,	None,	—	Complied.
Michael Sherry,	Soles,	5	5	—	—	Fair,	None,	—	Complied.
George Pepper,	Confectionery,	20	10	—	—	Good,	None,	—	Complied.
G. R. Coburn,	Shoe stock,	6	6	—	—	Fair,	None,	—	Complied.
Peter Marrin,	Shoe stock,	23	7	—	—	Fair,	None,	—	Complied.
George Clerk,	Leather,	50	—	—	—	Fair,	None,	—	Complied.
L. B. Southwick,	Leather,	60	—	—	—	Fair,	None,	—	Complied.
J. B. Thomas,	Wool,	30	—	—	—	Fair,	None,	—	Complied.
Danvers Bleachery Co.,	Dyeing and bleaching.	147	18	—	—	Good,	Guard gearing of callender and mangle machines.	Complied.	Complied.
SALEM.									
Boston Shoe Manufacturing Co.,	Boots and shoes,	23	2	—	—	Fair,	Designate water-closets,	Complied.	Complied.
Richard Quirk,	Boots and shoes,	25	15	1	1	Fair,	Post time tables; designate closets; guard shafting in stitching room.	Complied.	Complied.
J. T. Hopkins,	Boots and shoes,	30	20	—	—	Fair,	Post time tables,	Complied.	Complied.
Devlin Bros.,	Heels,	25	25	—	—	Fair,	Post time tables; provide loose pulley to control motive power.	Complied.	Complied.
M. Kelly,	Morocco,	25	—	—	—	Fair,	None,	—	Complied.
Charles Harrington,	Leather,	50	—	—	—	Fair,	None,	—	Complied.
Warren Page & Co.,	Pasted shoe stock,	54	35	—	—	Fair,	Provide loose pulley to control motive power.	Complied.	Complied.
Flint Bros.,	Boots and shoes,	24	21	—	—	Fair,	None,	—	Complied.
M. Shortell & Son,	Boots and shoes,	25	15	—	—	Fair,	None,	—	Complied.
John Powers,	Shoe counters,	20	20	—	—	Fair,	None,	—	Complied.
Joseph L. Austin,	Leather,	38	—	—	—	Fair,	None,	—	Complied.
F. Tuttle & Co.,	Leather,	30	—	—	—	Fair,	None,	—	Complied.
George F. Putnam,	Leather,	30	—	—	—	Fair,	Box belt, second floor; guard fly-wheel of engine.	Complied.	Complied.

DISTRICT NO. 8 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
SALEM — Concluded.								
J. J. Cunney & Co., . . .	Morocco, . . .	30	—	—	Fair, .	Box belt, second floor; guard fly-wheel of engine.	Complied.	
Matthew Robson, . . .	Leather, . . .	400	—	—	Fair, .	Box belts, second floor, . . .	Complied.	
Patrick Creeden, . . .	Leather, . . .	10	—	—	Fair, .	Box belts, second floor, . . .	Complied.	
Annie Lyons, . . .	Wool soles, . . .	2	7	—	Fair, .	Post time table; designate closet; guard shafting in stitching room.	Complied.	
Thomas Shea, . . .	Stiffenings, . . .	4	5	—	Fair, .	Post time table; guard roller machine.	Complied	
Upton Felting Co., . . .	Hair felting, . . .	13	—	—	Poor, .	Box belts, second floor; provide safety device for elevator car.	—*	
Peter Sim & Sons, . . .	Morocco, . . .	130	—	—	Fair, .	None, . . .	—	
J. J. Donahoe, . . .	Morocco, . . .	12	—	—	Fair, .	None, . . .	—	
Carney Bros., . . .	Pasted shoe stock, . . .	4	8	—	Fair, .	None, . . .	—	
John Loring, . . .	Pasted shoe stock, . . .	3	10	—	Fair, .	None, . . .	—	
A. Mouthery, . . .	Leather, . . .	15	—	—	Fair, .	Post time table; procure certificate; box belts second floor.	Complied.	
J. E. Arnold, . . .	Morocco, . . .	12	—	—	Fair, .	Guard fly-wheel of engine, . . .	Complied.	
John McGrath, . . .	Pasted shoe stock, . . .	3	4	—	Fair, .	Procure certificate, . . .	Complied.	
W. F. Birmingham, . . .	Leather, . . .	6	—	—	Fair, .	None, . . .	—	
J. A. Lord, Jr., . . .	Pasted shoe stock, . . .	7	7	—	Fair, .	Post time tables; repair belt; provide new pulley for heel-pressing machine.	Complied.	

Treadwell Bros. & Clark,	Morocco,	62	—	1	Fair,	Post time tables,	Complied.
P. F. Packard,	Shoe cutting,	10	—	1	Good,	Post time table; procure certificate,	Complied.
Joseph F. Pitman,	Boots and shoes,	29	20	—	Fair,	None,	—
Dennis Brady,	Boots and shoes,	50	25	2	Fair,	Post time tables; procure certificates; guard roller machine, set screw and shafting in stitching room.	Complied.
Locke Bros.,	Steam appliances,	12	—	—	Good,	None,	—
L. G. Straw & Co.,	Boots and shoes,	125	50	2	Fair,	None,	—
Almy, Bigelow & Co.,	Carpet making,	4	4	—	Good,	None,	—
Hamilton & Balcomb,	Carpenters,	50	—	—	Good,	None,	—
Naumkeag Steam Cotton Co.,	Cotton cloth,	527	837	97	Good,	Guard crank-shaft of new engine,	Complied.
SAUGUS.							
Pranker Manufacturing Co.,	Dress goods,	71	35	7	Fair,	None,	—
Scott's Mills Co.,	Flannels,	27	17	—	Fair,	Designate water-closets; guard fly-wheel of engine.	Complied.
H. S. Grover,	Shoe stitching,	4	18	—	Good,	None,	—
E. T. Kent,	Cleaning hair,	8	—	—	Fair,	None,	—
Grosvenor & Richards Manufacturing Co.	Porous plasters,	25	50	—	Good,	None,	—
H. B. Newhall & Son,	Spices,	6	4	—	Good,	None,	—
SWAMPSCOTT.							
George Smith,	Boots and shoes,	17	16	—	Fair,	Repair safety on dinker machine; place railing around the opening where the boiler stands.	Complied.
I. C. Merrill & Co.,	Shoes,	5	8	—	Good,	Post time table; box belt, second floor; provide loose pulley to control power in stitching room.	Complied.

* Shop closed.

REPORT OF INSPECTOR SPLAINE.

SIR:—I respectfully submit herewith a tabulated report of factories, workshops and hotels, inspected by me during the year just closed.

The number of inspections is far below that for the same period during former years, although the area covered and the extent of travel were as great. The reduction in the number of inspections is due to the widespread depression in manufactures. I visited some towns and villages to find every industry stopped, and even in the towns where a majority of the establishments were running, it was upon greatly reduced hours, which meant greatly reduced wages to the operatives.

My efforts to enforce the inspection laws were, on the whole, very successful, and no great friction was caused by the impartial enforcement of them.

The fifty-eight-hour law for the benefit of women and minors was, as a general thing, well observed by the manufacturers.

The law as it applies to the employment of children under fourteen years of age was well observed, as evidenced by the fact that in my district I found only two children of that age in manufacturing concerns. It is true, however, that during vacation a number of little ones between thirteen and fourteen years, furnished with certificates, worked a few weeks wherever they could earn a few dollars.

Dangerous machinery is as well guarded as circumstances will permit.

Sanitary conditions are much better than formerly, and are gradually improving. Cleanliness prevails to a happy extent in many establishments, and even among the most backward in these matters there are palpable improvements. Ventilation in factories, although not so well understood or practised as in some of our public buildings, is not, as a general thing, bad or dangerous to health. In the new and comparatively new factories, which are generally more commodious and better appointed than the old, good ventilation is secured.

Last, but not least, the means of escape in case of fire are good; and many factories, besides having means to extinguish a fire in its incipiency, are prepared to combat it in its strength. I take pleasure in asserting that there is little or no danger to life from fire in the factories and workshops in my district.

HENRY SPLAINE, *Inspector.*

DISTRICT No 9,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
ABINGTON.									
Abington Tack and Machine Co.,	Tacks and nails, .	20	2	—	—	Good, .	None, .	—	
Arnold Bros.,	Lasts,	12	—	—	—	Good, .	None, .	—	
Charles Mulhearn, . . .	Heel stock, . . .	3	—	—	—	Good, .	None, .	—	
Hatherly Gaiter Co., . .	Overgaiters, . . .	4	2	—	—	Good, .	Post time tables; guard shafting of stitching table.	Complied.	
H. H. Buffum,	Machinery, . . .	8	—	—	—	Good, .	None, .	—	
Wm. S. O'Brien,	Heels and heel stock.	18	7	—	—	Fair, .	Key to women's closet, .	Complied.	
Henry Gifford,	Heels,	3	2	—	—	Good, .	Post time tables, .	Complied.	
Kent & Brown,	Shoes and gloves, .	2	—	—	—	Good, .	None, .	—	
E. L. Sprague & Co., .	Shoes,	42	18	—	—	Good, .	None, .	—	
Burbeck & Brett, . . .	Grain and flour, .	3	—	—	—	Good, .	None, .	—	
Lewis A. Crossett, . . .	Shoes,	80	30	—	1	Good, .	None, .	—	
Wm. E. Lyon,	Shoes,	29	6	—	—	Good, .	None, .	—	
Cobb & Thompson, . . .	Shoes,	55	20	—	—	Good, .	None, .	—	
M. N. Arnold & Co., . .	Shoes,	400	100	—	1	Good, .	None, .	—	
Abington & Rockland Electric Lighting Co.	Power and light, .	4	—	—	—	Good, .	None, .	—	
King Bros.,	Shoes,	27	8	—	—	Good, .	None, .	—	

DISTRICT NO. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
AVON.									
L. G. Littlefield, . . .	Shoes, . . .	129	35	—	2	Fair, .	Guard pulley wheel; repair and cleanse men's closet.	Complied.	
J. B. Lewis & Co., . . .	Shoes, . . .	45	30	—	—	Fair, .	Guard fly-wheel; designate closets,	Complied.	
John F. Foster & Son, . .	Shoes, . . .	14	1	—	—	Good, .	Post time tables, . . .	Complied.	
BRAINTREE.									
Allen Fan Co., . . .	Fans, . . .	5	25	—	—	Good, .	None, . . .	—	
Columbia Rubber Co, . .	Mackintoshes, . . .	14	20	—	—	Fair, . . .	None, . . .	—	
L. O. Crocker, . . .	Railroad punches, . . .	3	—	—	—	Good, . . .	None, . . .	—	
Old Colony Cotton Mills, .	Absorbent cotton, . . .	6	3	—	—	Good, . . .	None, . . .	—	
A. S. Morrison & Bros, . .	Woollen yarns, . . .	12	8	—	—	Good, . . .	None, . . .	—	
D. B. Closson & Co., . . .	Shoes, . . .	135	40	—	—	Good, . . .	Designate closets; post time tables; guard machinery.	Complied.	
BROCKTON.									
D. W. Field, . . .	Shoes, . . .	290	60	—	2	Good, . .	School certificates; designate closets,	Complied.	
Brockton Coöperative Boot & Shoe Co.	Shoes, . . .	65	10	—	—	Good, . .	Guard set screws, . . .	Complied.	
Woodward & Wright, . . .	Lasts, etc., . . .	25	—	—	—	Good, . .	None, . . .	—	
E. C. Woodward, . . .	Iron patterns, . . .	3	—	—	—	Good, . .	None, . . .	—	
S. E. Packard & Son, . . .	Paper boxes, . . .	10	30	—	1	Good, . .	None, . . .	—	
Edgar E. Willey, . . .	Duck clothing, . . .	1	10	—	—	Good, . .	Post time tables, . . .	Complied.	
Scott & Meyers, . . .	Elevators, . . .	12	—	—	—	Good, . .	None, . . .	—	

Geo. E. Keith,	Shoes,	460	165	—	5	Good,	Guard hooking machine,	Complied.
E. & L. C. Keith,	Shoes,	70	30	—	5	Good,	None,	—
Myron F. Thomas,	Shoes,	122	28	—	—	Good,	None,	—
Walker, Taylor & Co.,	Shoes,	150	50	—	2	Good,	School certificates,	Complied.
Whitman & Keith,	Shoes,	285	90	—	3	Good,	None,	—
James E. Kenny,	Laundry,	2	5	—	—	Good,	Post time tables,	Complied.
Bumbus & Folger,	Shoe knives,	2	—	—	—	Good,	None,	—
W. S. Soule,	Leather trunks,	9	—	—	—	Good,	None,	—
E. R. Laird & Co.,	Steel shanks,	6	—	—	—	Good,	Post time tables; guard fly-wheel,	Complied.
G. W. Risley,	Die blocks,	3	—	—	—	Good,	Guard set screws,	Complied.
P. B. Keith,	Shoes,	250	100	—	1	Good,	None,	—
R. B. Grover & Co.,	Shoes,	325	50	—	—	Good,	Additional closet,	Complied.
Churchill & Alden,	Shoes,	120	30	—	1	Good,	School certificates; guard machinery,	Complied.
H. C. Fuller,	Leather bleaching,	16	4	—	—	Good,	None,	—
Waugh Bros.,	Firewood,	2	—	—	—	Good,	None,	—
Thompson Bros.,	Shoes,	190	60	—	2	Good,	Designate closets,	Complied.
Pratt Foundry Co.,	Castings,	8	—	—	—	Good,	None,	—
Byon F. Reynolds,	Shoes,	30	5	—	—	Good,	None,	—
John Brook,	Machinery,	3	—	—	—	Good,	None,	—
J. C. Tannatt,	Shoes,	15	5	—	—	Good,	None,	—
American Healing Machine Co.,	Heeling machinery,	18	—	—	—	Good,	None,	—
Brockton Die Co.,	Cutting dies,	4	—	—	—	Good,	None,	—
E. B. Jones,	Shoe rands,	5	5	—	—	Good,	None,	—
Parker & Silvie,	Shoes,	8	2	—	—	Good,	None,	—
C. H. Holt,	Fire-escapes,	3	—	—	—	Good,	None,	—
Kelleher, Clifford & Calnan,	Shoes,	12	3	—	—	Good,	Guard machinery,	Complied.
True Manufacturing Co.,	Pipe wrenches,	8	—	—	—	Good,	None,	—
James A. Smith,	Leather shoe strings,	7	—	—	—	Good,	None,	—
Hurley Bros.,	Shoes,	5	—	—	—	Good,	None,	—
D. G. Swain & Co.,	House finish,	5	—	—	—	Good,	None,	—

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BROCKTON — Continued.								
S. L. Ryder, . . .	House finish, . . .	3	—	—	Good, . . .	None, . . .	. . .	—
E. S. Snell & Co., . . .	Shoe tools, . . .	3	—	—	Good, . . .	None, . . .	. . .	—
A. C. Thompson, . . .	Stairs and finish, . . .	8	—	—	Good, . . .	None, . . .	. . .	—
F. M. Shaw & Son, . . .	Leather remnants, . . .	7	—	—	Good, . . .	None, . . .	. . .	—
Charles Wakling, . . .	Leather coloring, . . .	2	2	—	Good, . . .	None, . . .	. . .	—
Elkins & Kemp, . . .	Box toes, . . .	4	—	—	Good, . . .	None, . . .	. . .	—
N. A. W. Ransden, . . .	Shoe stitching, . . .	1	5	—	Good, . . .	None, . . .	. . .	—
Shaw & Bryant, . . .	Shoes, . . .	15	—	—	Good, . . .	None, . . .	. . .	—
Kimball Bros., . . .	Machinery, . . .	5	—	—	Good, . . .	None, . . .	. . .	—
Brockton Paper Box Factory, . . .	Paper boxes, . . .	12	13	—	Good, . . .	None, . . .	. . .	Complied.
Johnson & Filoon, . . .	Soles and heels, . . .	15	5	—	Good, . . .	Guard set screws, . . .	. . .	Complied.
Geo. Knight & Co., . . .	Shoe machinery, . . .	13	—	—	Good, . . .	None, . . .	. . .	Complied.
M. F. Kenny & Co., . . .	Shoes, . . .	10	2	—	Good, . . .	Designate closets, . . .	. . .	Complied.
M. Carthy, Sheehy & Kendrick, . . .	Shoes, . . .	165	35	—	Good, . . .	Designate closets, . . .	. . .	Complied.
Elmer C. Packard, . . .	Grist and grain, . . .	5	—	—	Good, . . .	None, . . .	. . .	—
A. P. Reynolds, . . .	Steam laundry, . . .	3	7	—	Good, . . .	None, . . .	. . .	—
Empire Laundry, . . .	Laundry, . . .	4	4	—	Good, . . .	Guard fly-wheel; designate closets, . . .	. . .	Complied.
A. B. Eldridge, . . .	Corn brooms, . . .	2	—	—	Good, . . .	None, . . .	. . .	—
E. L. Bonney, . . .	Wooden boxes, . . .	21	—	—	Good, . . .	Guard fly-wheel and set screw, . . .	. . .	Complied.
Washburn & Hayward, . . .	Stair building, . . .	7	—	—	Good, . . .	None, . . .	. . .	—
S. P. Pearson, . . .	Shoes, . . .	2	—	—	Good, . . .	None, . . .	. . .	—
Brockton Reed & Rattan Co., . . .	Rattan furniture, . . .	4	1	—	Good, . . .	None, . . .	. . .	—

Joyce, Ford & Co.,	Shoes, . . .	72	25	—	Good, . . .	None, . . .	Complied.
H. M. Kingman, . .	Shoes, . . .	200	40	—	Good, . . .	To keep a certain door unlocked,	Complied.
L. M. Reynolds & Co.,	Shoes, . . .	100	40	—	Good, . . .	None, . . .	—
D. B. Lovell, . . .	Carpet cleaning, . .	2	—	—	Good, . . .	None, . . .	—
O. O. Patten & Co.,	Wax, . . .	2	—	—	Good, . . .	None, . . .	—
Brockton Last Co.,	Lasts, . . .	50	—	—	Good, . . .	Guard set screw,	Complied.
A. M. Niles, . . .	Shoes, . . .	38	12	—	Good, . . .	Guard machinery,	Complied.
F. M. Shaw, . . .	Leather bleaching, . .	13	—	—	Good, . . .	None, . . .	—
Averell & Thayer, . .	Blackings, . . .	5	—	—	Good, . . .	None, . . .	—
A. F. Packard, . . .	Leather coloring, . .	2	—	—	Good, . . .	None, . . .	—
The Brockton Rand Co.,	Shoe rands, . . .	4	9	—	Good, . . .	Guard machinery,	Complied.
C. H. Dean, . . .	Special clothing, . .	1	12	—	Good, . . .	None, . . .	—
Holmes Bros. & Co.,	Shoes, . . .	13	2	—	Good, . . .	None, . . .	—
Geo. G. Snow, . . .	Shoes, . . .	375	125	—	Good, . . .	None, . . .	—
E. S. Morton, . . .	Last makers' supplies, . . .	5	—	—	Bad, . . .	Clean up closet,	Complied.
A. E. Johnson, . . .	Sporting goods, . . .	6	2	—	Fair, . . .	Guard machinery,	Complied.
Brockton Cut Sole Co.,	Shoe counters, . . .	17	3	—	Good, . . .	Guard set screws,	Removed.
Cycle Machine Co., . .	Making and repairing, . .	6	—	—	Good, . . .	None, . . .	—
O'Neil & Howes, . . .	Cabinet and jobbing, . . .	14	—	—	Good, . . .	Guard fly-wheel,	Complied.
Geo. C. Carey, . . .	Crimping, . . .	2	—	—	Good, . . .	None, . . .	—
Geo. F. Howes, . . .	Ameezen knives, . . .	2	—	—	Good, . . .	None, . . .	—
Wm. A. Sweetzer, . . .	Machinery, . . .	8	—	—	Good, . . .	None, . . .	—
Kimball, Tisdale & Baker,	Shoes, . . .	20	5	—	Good, . . .	None, . . .	—
Baxendale & Co., . . .	Box toes, . . .	14	1	—	Good, . . .	None, . . .	—
Wm. H. Jordan, . . .	Button holes, . . .	1	5	—	Fair, . . .	None, . . .	—
C. C. Colwell, . . .	Stitching, . . .	3	—	—	Fair, . . .	None, . . .	—
Melvin C. Edson, . . .	Shoes, . . .	4	2	—	Fair, . . .	None, . . .	—
O. O. Patten & Co., . .	Blackings, . . .	11	—	—	Fair, . . .	Key to women's closet,	Complied.

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BROOKTON — Continued.								
H. T. Perry & Co.,	Box toes,	3	1	—	Fair,	None,	.	—
Caldwell Clothing Co.,	Duck clothing,	2	9	—	Good,	None,	.	—
Howard & Foster,	Shoes,	130	40	—	Good,	None,	.	—
Stacey, Adams & Co., Factory No. 1.	Shoes,	35	50	—	Good,	None,	.	—
Stacey, Adams & Co., Factory No. 2	Shoes,	40	—	—	Good,	None,	.	—
Stacey, Adams & Co., Factory No. 3.	Shoes,	107	3	—	Good,	None,	.	—
Robert Clifford,	Crimping,	4	—	—	Good,	None,	.	—
Sweasey & Grew,	Shoe tools,	3	—	—	Good,	None,	.	—
The T. A. Norris Machine Co.,	Machinery,	18	—	—	Good,	None,	.	—
Lilley, Brackett & Co.,	Shoes,	95	25	—	Good,	None,	.	—
The Brockton Stay Co.,	Shoe trimmings,	8	2	—	Good,	None,	.	—
John Allen,	Custom uppers,	4	—	—	Good,	None,	.	—
Edison Electric Illuminating Co.,	Light and power,	14	—	—	Good,	Guard fly-wheels,	.	Complied.
Goddard & Rogers,	Machinery,	9	—	—	Good,	None,	.	—
Barlow & Eldridge,	Last makers' supplies.	5	—	—	Good,	None,	.	—
Ellis F. Copeland,	Shoes,	30	6	—	Good,	None,	.	—
C. S. Pierce,	Crimping and embossing.	11	1	—	Good,	None,	.	—

W. R. Rogers,	Carriage painting,	6	—	—	Good,	None,	.	.	.	—
George A. Carter,	Tacks and nails,	15	—	—	Good,	None,	.	.	.	—
Bittenbender & Caverly,	Shoes,	42	18	—	Good,	Guard set screw,	.	.	.	Complied.
The Atus Dye House,	Dye and repair,	6	1	—	Good,	None,	.	.	.	—
Emory M. Lowe,	Paper boxes,	15	65	—	Good,	None,	.	.	.	—
M. A. Packard & Co.,	Shoes,	180	60	—	Good,	None,	.	.	.	—
Charles A. Eaton,	Shoes,	110	40	—	Good,	None,	.	.	.	—
J. M. O'Donnell & Co.,	Shoes,	22	8	—	Good,	None,	.	.	.	—
A. H. Alger,	Paper boxes,	4	23	—	Good,	None,	.	.	.	—
F. B. Washburne & Co., Incorp.,	Confections,	50	30	—	Fair,	Post time tables; designate closets,	.	.	.	Complied.
Packard & Field,	Shoes,	160	40	—	Good,	Remove old fire-escape,	.	.	.	Complied.
T. D. Barry & Co.,	Shoes,	105	35	—	Fair,	None,	.	.	.	—
I. P. Gaynor,	Shoe trimmings,	9	1	—	Good,	None,	.	.	.	—
P. S. Dolan,	Shoes,	13	2	—	Good,	None,	.	.	.	—
T. F. Kelly & Co.,	Shoes,	15	2	—	Good,	None,	.	.	.	—
John F. Beals, Jr.,	House finish,	2	—	—	Good,	None,	.	.	.	—
Brockton Supply Co.,	Shoe machinery,	4	—	—	Good,	None,	.	.	.	—
James A. Knapp,	Goodyear shoes,	10	—	—	Good,	None,	.	.	.	—
F. M. Shaw & Son,	Heel lifts,	9	3	—	Good,	None,	.	.	.	—
Smith & Wade,	Shoe trimmings,	13	5	—	Good,	Guard shafting,	.	.	.	Complied.
Alfred E. Woodward,	Shoes,	15	—	—	Good,	Guard shafting,	.	.	.	Complied.
Frank E. White & Co.,	Shoes,	210	60	—	Good,	None,	.	.	.	—
L. C. Bliss & Co.,	Shoes,	75	15	—	Good,	None,	.	.	.	—
N. R. Packard,	Shoes,	75	25	1	Fair,	Guard shafting,	.	.	.	Complied.
Ralph R. Littlefield,	Shoes,	50	20	—	Good,	None,	.	.	.	—
Geo. B. Dunham,	Tacks,	2	—	—	Good,	None,	.	.	.	—
Duprey & Son,	Shoe dies,	5	—	—	Good,	None,	.	.	.	—
Jennings & Paine,	House finish,	4	—	—	Good,	Guard set screw,	.	.	.	Complied.
Elkins, Smallidge & Co.,	Shoes,	19	4	—	Good,	None,	.	.	.	—
Small, Nesmith & Co.,	Shoes,	28	12	—	Good,	None,	.	.	.	—
Dunbar Shoe Co.,	Shoes,	7	—	—	Good,	None,	.	.	.	—

DISTRICT NO. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
BROCKTON — <i>Concluded.</i>									
Jordan & Carey,	Slippers,	2	—	—	—	Good, .	None, .	—	
Field & Co.,	Shoes,	20	5	—	—	Good, .	Guard shafting of stitching machine, .	Complied.	
D. E. Wilbar & Son,	Shoes,	12	8	—	—	Good, .	None, .	—	
L. A. Smith, Jr.,	Soles and counters,	3	2	—	—	Good, .	None, .	—	
H. F. Hodges,	Artificial ice,	13	—	—	—	Good, .	None, .	—	
Terry, Ware & Alley,	Shoes,	65	35	—	—	Good, .	None, .	—	
Brockton Stay Co.,	Shoe trimmings,	4	2	—	—	Good, .	None, .	—	
Brockton Mallet Co.,	Raw hide mallets,	3	—	—	—	Good, .	None, .	—	
Montello Co-operative Shoe Co.,	Shoes,	9	3	—	—	Good, .	None, .	—	
W. G. & G. W. Lavers,	Shoe and rubber dies,	14	—	—	—	Good, .	Guard fly-wheel,	Complied.	
N. C. Ruberg,	Steel shanks,	9	—	—	2	Good, .	School certificates,	Complied.	
A. H. Sonnerman & Co.,	Shoes,	58	12	—	—	Good, .	None, .	—	
Field-Thurber Co.,	Shoes,	38	12	—	—	Good, .	None, .	—	
Brockton Iron & Brass Foundry,	Castings,	11	—	—	—	Good, .	None, .	—	
Brockton Street Railroad Power station,	Electric power,	8	—	—	—	Good, .	None, .	—	
Montello Candy Manuf'g Co.,	Candies,	6	3	—	—	Good, .	Designate closet,	Complied.	
Tuck Manufacturing Co.,	Hard ware and springs,	16	—	—	—	Good, .	None, .	—	
Means & Co.,	Shoes,	75	25	—	—	Good, .	None, .	—	
Snell & Atherton,	Shoe tools,	14	—	—	—	Good, .	None, .	—	

Hub Gore Co.,	Elastic goring,	170	30	1	Good,	None,	None,	Complied.
L. F. Woodward,	Wooden boxes,	8	—	—	Bad,	Clean up closet,	·	·
W. L. Douglas Shoe Co.,	Shoes,	290	110	—	Good,	None,	·	·
C. A. Coffin & Co.,	Shoes,	75	25	2	Good,	None,	·	·
Enos H. Reynolds,	Shoes,	27	8	—	Good,	None,	·	·
F. W. Packard & Co.,	Shoes,	85	40	—	Good,	None,	·	·
D. S. Packard & Co.,	Shoe counters,	40	—	—	Good,	None,	·	·
O. A. Miller,	Shoe treering machinery.	45	—	—	Good,	None,	·	·
Rogers & Sullivan,	Shoes,	38	12	—	Good,	None,	·	·
Reed Tack Co.,	Tacks,	2	1	—	Good,	Guard fly-wheel,	·	Complied.
W. W. Cross & Co.,	Tacks and nails,	19	1	—	Good,	None,	·	·
Reynolds, Drake & Gabel,	Shoes,	50	15	—	Fair,	None,	·	·
Standard Rubber Corporation,	Waterproof clothing.	50	65	—	Good,	None,	·	·
A. M. Herod,	Shoes,	150	50	—	Good,	Designate closets,	·	Complied.
Bouvé, Crawford & Co., Factory No. 1.	Shoes,	67	18	3	Good,	None,	·	·
Bouvé, Crawford & Co., Factory No. 2.	Shoes,	67	8	1	Good,	Guard shafting,	·	Complied.
C. Callahan,	Tubular fabric for fire-hose.	2	—	—	Good,	Guard set screw,	·	Complied.
COHASSET.	Pantaloon,	4	6	—	Good,	None,	·	·
Joseph F. Rogers,	Electric light,	3	—	—	Good,	Guard wheels of engine,	·	Complied.
COHASSET Electric Light Co.,	Straw and felt goods.	55	20	—	Good,	None,	·	·
FOXBOROUGH.								
Caton Brothers,								

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
FOXBOROUGH — <i>Concluded.</i>								
A. T. Bemis Hat Co., . . .	Straw and felt goods.	20	70	—	Good, .	Repair elevator, . . .	Complied.	
Inman & Kimball, . . .	Straw hats, . . .	25	50	—	Good, .	None, . . .	—	
Foxboro' Foundry & Machine Co., . . .	Castings and machinery.	32	—	—	Good, .	None, . . .	—	
Mark A. Torrey Co., . . .	Soaps, . . .	9	4	—	Good, .	Repair elevator, . . .	Complied.	
A. H. & A. F. Young, . . .	Dye house, . . .	10	10	—	Good, .	Guard shafting under stitching table, . . .	Not in use.	
W. S. Keith, . . .	Steam Laundry, . . .	5	7	—	Good, .	None, . . .	—	
Ross Brothers, . . .	Wool scouring, . . .	32	—	—	Good, .	Fifty-eight-hour time tables, . . .	Complied.	
V. S. Pond & Co., . . .	Lumber, . . .	20	—	—	Good, .	Repair elevator, . . .	Complied.	
HANOVER.								
L. C. Waterman & Sons, . . .	Tacks and nails, . . .	14	6	—	Good, .	None, . . .	—	
N. V. Goodrich, . . .	Shoes, . . .	80	20	—	Good, .	None, . . .	—	
E. H. Clapp Rubber Co., . . .	Reclaiming rubber.	80	—	—	Good, .	Guard fly-wheels, . . .	Complied.	
E. Phillips & Sons, . . .	Tacks, nails, etc., . . .	45	5	1	Good, .	None, . . .	—	
C. T. Stetson, . . .	Machinery, etc., . . .	8	4	—	Good, .	Fifty-eight-hour time tables, . . .	Complied.	
Lott, Phillips & Co., . . .	Boxes and grist, . . .	30	—	—	Good, .	None, . . .	—	
North Hanover Shoe Co., . . .	Shoes, . . .	1	1	—	Good, .	Fifty-eight-hour tables, . . .	Complied.	
Killum & Turner, . . .	Shoes, . . .	9	3	—	Good, .	Fifty-eight-hour tables, . . .	Complied.	

HANSON.

John Foster,	Wooden boxes,	37	—	—	Good,	None,	•	•	•	—
E. Phillips & Sons,	Tacks,	10	1	—	Good,	Age certificates,	•	•	•	Complied.
O. W. Maglathlen,	Tacks,	7	1	—	Good,	None,	•	•	•	—

HINGHAM.

Burr, Brown & Co.,	Upholstery trimmings,	15	25	—	Good,	None,	•	•	•	—
Burr, Brown & Co.,	Dye house,	2	—	—	Good,	None,	•	•	•	—
Shawmut Manufacturing Co.,	Leatherette,	4	—	—	Good,	None,	•	•	•	—
James Dower,	Jute rope,	2	—	—	Good,	None,	•	•	•	—
Hingham Cordage Co.,	Rope and twine,	55	10	—	Good,	None,	•	•	•	—
A. J. Sprague,	Tubs and pails,	6	—	—	Good,	None,	•	•	•	—
Tower Toy Co.,	Wooden toys,	12	3	—	Good,	Age certificates,	•	•	•	Complied.

HOLBROOK.

The Holbrook Paper Box Co.,	Paper boxes,	5	14	—	Good,	Age certificates,	•	•	•	Complied.
Thomas White & Co.,	Boots and shoes,	65	15	—	Good,	Guard set screws and shafting,	•	•	•	Complied.
Whitcomb & Paine,	Boots and shoes,	140	20	—	Good,	Fifty-eight-hour time tables,	•	•	•	Complied.
Bela C. Remington,	Drying fruit,	2	2	—	Good,	None,	•	•	•	—
C. A. Poole,	Heels and heelst'k,	9	7	—	Fair,	Designate closets,	•	•	•	Complied.
Alden & Belcher,	Boots and shoes,	4	—	—	Good,	None,	•	•	•	—
E. Frank Hayden,	Men's boots,	3	—	—	Good,	None,	•	•	•	—
E. W. Thayer,	Leather shoe strings,	1	2	—	Good,	None,	•	•	•	—

HYDE PARK.

The Standard Glass Insulator Co.,	Insulating glass,	30	—	—	Good,	Age certificates; time tables,	•	•	•	Removed.
Fairmount Manufacturing Co.,	Ladies' underwear,	2	48	—	Good,	None,	•	•	•	—
John Johnston,	Making and repairing carriages,	7	—	—	Good,	None,	•	•	•	—
B. B. & R. Knight,	Sheetings and shirtings,	100	100	—	Good,	None,	•	•	•	—

DISTRICT NO. 9 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
KINGSTON.									
Cobb & Drew, . . .	Tacks, nails and rivets.	47	3	—	—	Good, .	Guard crank-shaft, . . .	Complied.	
Stetson & Woodward, . . .	Tacks, . . .	14	1	—	—	Good, .	None, . . .	—	
Edward P. Hurd, . . .	Tack setting, . . .	6	9	—	—	Good, .	None, . . .	—	
John C. Barnes, . . .	Staves and boxes, . . .	2	—	—	—	Fair, .	None, . . .	—	
Sylvanus Bryant, . . .	Boards and boxes, . . .	2	—	—	—	Fair, .	None, . . .	—	
H. C. & W. S. Cole, . . .	Tacks, . . .	4	—	—	—	Good, .	None, . . .	—	
C. Drew & Co., . . .	Ships' tools, . . .	8	—	—	—	Good, .	None, . . .	—	
L. E. Ford & Co., . . .	Tacks, . . .	13	—	—	—	Good, .	None, . . .	—	
NORFOLK									
Elliott Mills, . . .	Paper, . . .	8	—	—	—	Good, .	None, . . .	—	
City Mills Co., . . .	Feltings, . . .	62	18	—	1	Good, .	Designate closets, . . .	Complied.	
John F. Wall, . . .	Manila paper, . . .	5	—	—	—	Good, .	None, . . .	—	
NORWELL.									
C. Grose & Sons, . . .	Boots and shoes, . . .	85	15	—	—	Good, .	None, . . .	—	
G. W. H. Litchfield, . . .	Shoes, . . .	87	13	—	—	Good, .	Fifty-eight-hour tables, . . .	Complied.	
Salmond & Sons, . . .	Tacks, . . .	12	4	—	—	Good, .	Fifty-eight-hour tables, . . .	Complied.	
NORWOOD.									
H. M. Plympton & Co., . . .	Glue, . . .	6	—	—	—	Good, .	Guard shafting, set screw and fly-wheel; repair elevator . . .	Complied.	

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		NUMBER EMPLOYED.						
		Males.	Females.	Under 14.	14 to 16.			
PLYMOUTH — <i>Concluded.</i>								
E. & J. C. Barnes,	Kegs, etc.,	2	—	—	Good,	None,	· · · ·	Complied.
Paine & Hersey,	Shoes,	32	8	—	Good,	Designate closets,	· · · ·	
RANDOLPH.								
Charles Doughty,	Harnesses,	24	2	—	Good,	Guard driving wheels; designate closets.	· · · ·	Complied.
Bradley, Hagney & Leonard,	Boots and shoes,	68	32	—	Fair,	Guard shafting and set screw; designate closets.	· · · ·	Complied.
William Gibbons,	Shoes,	11	1	—	Good,	Post time tables; guard shafting,	· · · ·	Complied.
Piper, Cottle & Co.,	Cutting soles,	8	—	—	Good,	None,	· · · ·	—
Howard, French & Co.,	Boots and shoes,	20	—	—	Good,	None,	· · · ·	—
Sullivan & Winship,	Shoes,	27	8	—	Fair,	Post time tables; designate closets,	· · · ·	Complied.
John Peach,	Shoes,	30	15	—	Fair,	Post time tables; guard machinery; designate and cleanse closets.	· · · ·	
Wm. F. Barrett & Co.,	Shoes,	14	2	—	Good,	None,	· · · ·	—
ROCKLAND.								
Geo. W. Hall,	Shoes,	23	2	—	Good,	Post time tables; guard fly-wheel,	· · · ·	Complied.
Chipman, Calley & Co.,	Fine shoes,	135	40	—	Good,	None,	· · · ·	—
The Rockland Co.,	Shoes,	125	35	—	Good,	None,	· · · ·	—
C. E. Lane,	Shoes,	50	15	—	Good,	None,	· · · ·	—
French, Shriner & Urner,	Shoes,	88	12	—	Good,	None,	· · · ·	—

Anderson Tack Co.,	Tacks and nails,	5	—	—	Good,	None,	•	•	•	—
J. H. Locke & Co.,	Shoes,	22	—	—	Good,	None,	•	•	•	—
Henry D. Smith,	Hosiery,	2	—	—	Good,	None,	•	•	•	—
Josiah A. Torrey,	Soap and hen food,	6	—	—	Good,	None,	•	•	•	—
Wright & Richards,	Shoes,	150	—	—	Good,	Guard fly-wheel,	•	•	•	Complied.
Fred. F. Prior,	Heel stock,	5	—	—	Good,	None,	•	•	•	Complied.
John Spense & Co.,	Bleaching leather,	20	—	—	Good,	Post time tables,	•	•	•	—
Dean, Chase & Co.,	Webbing,	34	—	—	Good,	None,	•	•	•	Complied.
The J. S. Turner Co.,	Boots and shoes,	20	—	—	Good,	Guard set screw; designate closets,	•	•	•	Complied.
Job O. Loring,	House finish,	7	—	—	Good,	Post time tables,	•	•	•	—
Heckman, Bissell,	Goodyear welting,	7	—	—	Good,	None,	•	•	•	Complied.
F. E. Nesmith,	Paper boxes,	15	—	—	Good,	School certificates,	•	•	•	—
Jason Smith,	Machinery,	5	—	—	Good,	None,	•	•	•	—
Rockland Welt Co.,	Goodyear welting,	6	—	—	Good,	None,	•	•	•	—
SHARON.										
Emmons Leonard,	Wooden boxes,	12	—	—	Good,	Age certificate; post time tables,	•	•	•	Complied.
H. A. Lathrop,	Trowels and knives,	8	—	—	Good,	None,	•	•	•	—
G. R. & W. R. Mann,	Belted duck,	9	—	—	Good,	None,	•	•	•	—
Harper's Carriage Factory,	Light carriages,	9	—	—	Good,	None,	•	•	•	—
H. A. Lothrop Manuf'g Co.,	Cutlery,	30	—	—	Good,	Post time tables,	•	•	•	Complied.
Naramore's Pad Factory,	Harness pads,	3	—	—	Good,	Guard fly-wheel and set screw,	•	•	•	Complied.
STOUGHTON.										
J. & H. Fitzpatrick,	Shoes,	75	—	—	Good,	None,	•	•	•	—
John W. Phinney,	Blind fasteners,	3	—	—	Good,	None,	•	•	•	—
C. D. Folsome,	Shoes,	8	—	—	Good,	None,	•	•	•	—
F. M. Packard & Co.,	Shoes,	25	—	—	Good,	Age certificates; post time tables; guard machinery.	•	•	•	Complied.

* Out of business.

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
STOUGHTON — <i>Concluded.</i>								
Geo. E. Belcher,	Lasts and fasteners.	20	—	—	—	Good, .	Guard fly-wheel and crank, .	Complied.
Wallace, Elliott & Co, . .	Shoes,	77	23	—	1	Good, .	None,	—
Charles Tenney,	Boots and shoes, . .	95	30	—	—	Good, .	None,	—
Stoughton Rubber Co, . .	Gossamers,	60	50	—	—	Good, .	Guard "T" on shafting, .	Complied.
J. G. Phinney Counter Co, .	Shoe counters, . . .	75	25	—	—	Good, .	Guard fly-wheel and crank, .	Complied.
French & Ward (Upper Mill), .	Woolen knit goods, .	12	23	—	—	Good, .	Guard set screws on circulars, .	Complied.
French & Ward (Lower Mill), .	Woolen knit fabrics.	55	70	—	—	Good, .	Guard set screws on fulling mill, .	Complied.
Upham Bros,	Shoes,	65	15	—	—	Good, .	None,	—
Charles Stretton & Sons, . .	Knitted goods, . . .	5	25	—	—	Good, .	None,	—
Pliney B. Capen,	Steam laundry, . . .	4	4	—	—	Fair, . .	None,	—
Geo. A. Cooper,	Bonnet wire,	—	3	—	—	Good, .	None,	—
L. H. Southworth,	Grist and lumber, . .	2	—	—	—	Good, .	None,	—
Robert D. Porter,	Fire wood,	2	—	—	—	Good, .	None,	—
WALPOLE.								
F. W. Bird & Co.,	Wrapping paper, . .	155	20	—	—	Good, .	Post time tables; designate closets, .	Complied.
Hollingsworth & Vose, . .	Rope manila,	70	—	—	—	Good, .	None,	—
Union Sand Paper Co., . . .	Sand paper and emery wheels.	20	—	—	—	Good, .	Post time tables; guard fly-wheel, .	Complied.
Bradford Lewis & Son, . . .	Board paper,	39	10	—	—	Good, .	None,	—

Bradford Lewis & Son,	Waste, . . .	-	-	-	Good, .	None, line,	Help included on preceding	-
Lewis Batting Mill, . . .	Cotton batting, .	23	-	-	Fair, .	Guard fly-wheel, .	. . .	Complied.
Walpole Dye & Chemical Co., .	Chemicals and dyes.	28	-	-	Good, .	None, .	. . .	-
S. Gray & Co., . . .	Dying yarns, .	15	-	-	Good, .	None, .	. . .	-
WYMOUTH.								
Weymouth Mitten Co., . . .	Mittens, . . .	5	-	1	Good, .	None, .	. . .	-
Geo. R. Bowker, . . .	Leather shoe strings	2	-	-	Good, .	None, .	. . .	-
John E. May, . . .	Leather shoe strings.	2	-	1	Good, .	None, .	. . .	-
South Weymouth Shoe Co., .	Leather jackets, .	4	-	-	Good, .	None, .	. . .	-
A. O. Crawford, . . .	Folding boxes, .	2	-	-	Good, .	Post time tables; guard machinery, .	. . .	Complied.
Healy & Welch, . . .	Leather shoe strings.	5	-	-	Good, .	Post time tables, .	. . .	Complied.
Chas. H. Kelley, . . .	Leather shoe strings.	5	-	-	Good, .	None, .	. . .	-
Elon Sherman, . . .	Paper and wooden boxes.	8	-	-	Fair, .	None, .	. . .	-
John E. Mann, . . .	Wool scouring, .	40	-	-	Good, .	None, .	. . .	-
Weymouth Light & Power Co., .	Electric light and power.	6	-	-	Good, .	Guard machinery, .	. . .	Complied.
M. C. Dizer & Co., . . .	Boots and shoes, .	270	-	-	Good, .	Guard machinery, .	. . .	Complied.
J. A. Cushman, . . .	Cut sole leather, .	35	-	-	Good, .	Post time tables; closets designated, .	. . .	Complied.
Theo. H. Emerson, . . .	Grist and wood, .	4	-	-	Good, .	None, .	. . .	-
J. E. Hobart, . . .	Ladies' garments, .	10	-	-	Good, .	Post time tables; erect additional closet for women.	. . .	Complied.
James A. Roarty, . . .	Shoe trimmings, .	5	-	-	Good, .	None, .	. . .	-
S. H. Sherman, . . .	Shoe stock, . . .	24	-	-	Good, .	None, .	. . .	-

DISTRICT NO. 9 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.		Females.			
		Under 14.	14 to 16.				
WEYMOUTH — Concluded.							
Edwin Clapp, . . .	Shoes, . . .	170	30	—	Good, . .	None, . .	—
Strong & Carroll, . . .	Boots and shoes, . .	235	40	—	Good, . .	None, . .	—
M. Sheehy & Co., . .	Boots and shoes, . .	63	12	—	Good, . .	None, . .	—
A. T. Cushing, . . .	Boots and shoes, . .	7	1	—	Good, . .	Post time tables, . .	Complied.
M. C. Nash, . . .	Leather and duck coats	3	—	—	Good, . .	None, . .	—
R. M. Nash, . . .	Stitching, . . .	6	—	—	Good, . .	None, . .	—
C. P. Hunt & Co., . .	Boots and shoes, . .	11	1	—	Good, . .	Guard fly-wheel, . .	Complied.
Cook, Sterling & Co., . .	Boots and shoes, . .	29	1	—	Good, . .	None, . .	—
R. L. Hunt, . . .	Paper boxes, . . .	4	8	—	Good, . .	None, . .	—
Geo E. Porter, . . .	Boots and shoes, . .	17	1	—	Good, . .	Hand rails, . .	Complied.
Fred R. Cate, . . .	Women's wrap-pers.	3	72	—	Good, . .	Fire-escape, . .	Complied.
E. S. Hunt & Sons, . .	Fireworks, . . .	13	21	—	Good, . .	None, . .	—
J W. Hart & Co., . .	Boots and shoes, . .	53	22	—	Good, . .	None, . .	—
Geo. H. Bicknell, . . .	Counters and rands.	31	2	1	Good, . .	None, . .	—
Howe & French, . . .	Isinglass, . . .	57	16	—	Good, . .	None, . .	—
E. E. Dyer, . . .	Shoes, . . .	14	2	—	Good, . .	Post time tables, . .	Complied.
Nash & White, . . .	Shoes and stock, . .	7	—	—	Good, . .	None, . .	—
Bradley Fertilizer Co., . .	Fertilizers, . . .	221	4	—	Good, . .	Guard fly-wheel and belt, . .	Complied.

WHITMAN.									
T. A. Whitther & Co., .	Shoes, . . .	75	25	—	1	Good, .	Guard fly-wheel,	.	Complied.
Smith & Stoughton, .	Shoes, . . .	13	7	—	—	Good, .	Post time tables,	.	Complied.
Whitman Paper Box Factory,	Paper boxes, .	8	23	—	1	Good, .	None, .	.	—
Atwood Bros., .	Wooden boxes, .	50	—	—	—	Good, .	None, .	.	—
Perkins, Jones & Co., .	Shoes, . . .	85	75	—	—	Good, .	None, .	.	—
The Atlas Tack Corporation,	Tacks and steel shanks.	120	20	—	—	Good, .	Repair elevator,	.	Complied.
Whitman Electric Co, .	Electric lighting, .	3	—	—	—	Good, .	None, .	.	—
Whitman Shoe Co., .	Shoes, . . .	105	20	—	—	Good, .	None, .	.	—
Boston Enterprise Manuf'g Co.,	Shoe machinery, .	9	—	—	—	Good, .	None, .	.	—
D. B. Gurney, .	Tacks and shanks,	60	10	—	—	Good, .	None, .	.	—
Chas P. Slack & Co., .	Wooden boxes and firewood.	20	—	—	—	Good, .	None, .	.	—
Jenkins Bros., . . .	Caskets and steel shanks.	48	12	—	—	Good, .	None, .	.	—
Wm. M. Ramsdell, .	House finish, .	4	—	—	—	Good, .	None, .	.	—
Commonwealth Shoe & Leather Co., No. 1.	Shoes, . . .	100	40	—	—	Good, .	None, .	.	—
Commonwealth Shoe & Leather Co., No 2.	Boots and shoes, .	630	20	—	—	Good, .	Repair elevator,	.	Complied.
Commonwealth Shoe & Leather Co., No. 3.	Boots and shoes, .	500	250	—	1	Good, .	Repair elevator,	.	Complied.

JAMES R. HOWES, *Inspector.*

DISTRICT No. 10,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
ADAMS.									
Linnette Shirt Co.,	Gents' shirts,	8	35	—	2	Good,	None,	—	
Renfrew Manuf'g Co., No. 2,	Ginghams,	289	360	—	58	Good,	None,	—	
Renfrew Manuf'g Co., No. 5,	Ginghams,	48	50	—	5	Good,	None,	—	
W. C. Plunkett & Sons, No. 2,	Cotton yarn,	22	8	—	3	Good,	Guard shafting,	Complied.	
L. L. Brown Paper Co (Lower Mill).	Ledger papers,	110	60	—	8	Good,	None,	—	
W. C. Plunkett & Sons, No. 1,	Cotton yarns,	60	30	—	5	Good,	Safety device for elevators,	Complied.	
Renfrew Manuf'g Co., No. 3,	Ginghams,	46	38	—	10	Good,	None,	—	
Berkshire Cotton Co., No. 1,	Cotton cloth,	286	163	—	23	Fair,	Repair elevator gates; sanitaries,	Complied.	
Berkshire Cotton Co., No. 2,	Cotton cloth,	170	150	—	4	Good,	None,	—	
Adams Bros. Manufacturing Co.,	Cotton yarns,	29	30	—	6	Good,	Guard shafting,	Complied.	
H. J. Arnold,	Lime barrels,	15	—	—	—	Good,	Guard drums,	Complied.	
Renfrew Manuf'g Co., No. 2,	Ginghams,	302	300	—	26	Good,	None,	—	
Renfrew Manuf'g Co., Stone Mill,	Ginghams,	63	22	—	13	Good,	None,	—	
Renfrew Manuf'g Co., Grove,	Cotton yarns,	44	43	—	10	Good,	None,	—	
Greylock Mills, No. 2,	Cotton yarns,	6	10	—	2	Good,	None,	—	
M. P. Richmond,	Flour and feed,	4	—	—	—	Good,	None,	—	
W. C. Plunkett & Sons, No. 2,	Cotton yarns,	26	8	—	3	Good,	Guard elevator openings,	Complied.	
Greylock Shirt Co.,	Shirts,	15	59	—	3	Good,	None,	—	
Phillips Woolen Co.,	Woolen cloth,	45	10	—	—	Good,	None,	—	
Greylock Mills, No 2,	Cotton yarns,	12	6	—	2	Good,	Post time notice; certificates,	Complied.	
Adams Elec. Light & Power Co.,	Light and power,	22	2	—	—	Good,	None,	—	

ASHFIELD.

H. C. Thayer,	Valve handles,	8	—	1	Good,	None,	·	·	·	—
H. C. Thayer,	Valve handles,	6	—	—	Good,	None,	·	·	·	—
W. E. Ford,	Wood whip butts,	6	—	1	Good,	Guard belts and drums,	·	·	·	Complied.
A. D. Flower,	Feed and flour,	4	—	—	Good,	None,	·	·	·	—
L. Gardner & Son,	Dimension timber,	6	—	—	Good,	None,	·	·	·	—
Ashfield Creamery,	Butter,	6	—	—	Good,	None,	·	·	·	—

BECKET.

M. E. Ballou & Sons,	Wood baskets,	15	1	1	Good,	Guard shafting,	·	·	·	Complied.
C. E. Lyman,	Wagons,	6	—	—	Good,	Guard belts,	·	·	·	Complied.
Becket Silk Co.,	Sewing silk,	5	9	—	Good,	None,	·	·	·	—

BUCKLAND.

J. R. Foster,	Shoe pegs,	10	20	4	Good,	Designate water-closets; notice,	time	·	·	Complied.
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Lampson-Goodnow Manuf'g Co.,

J. R. Foster,	Table cutlery,	186	14	10	Good,	Guard gears,	·	·	·	Complied.
C. E. Ward,	Shoe pegs,	17	16	2	Good,	None,	·	·	·	—
	Lumber, flour and feed.	4	—	—	Good,	None,	·	·	·	—

Edward Kenney,	Dimension lumber,	6	—	—	Good,	None,	·	·	·	—
Shelburne Falls Creamery,	Butter,	4	—	—	Good,	None,	·	·	·	—

CHESHIRE.

W. B. Deane,	Dimension timber, lime barrels.	20	—	2	Good,	None,	·	·	·	—
Berkshire Cheese Co.,	Cheese,	4	—	—	Good,	None,	·	·	·	—

CHARLEMONT.

Russell & Long,	Lumber,	6	—	—	Good,	Guard shaftings and belt,	·	·	·	Complied.
George Adams,	Lumber,	2	—	—	Good,	None,	·	·	·	—

DISTRICT No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CHARLEMONT — <i>Concluded.</i>								
F. Ferry Manufacturing Co.,	Wood spools,	15	—	—	—	Good, .	None, .	—
Lewis Hall,	Chair stock, .	8	—	—	—	Good, .	None, .	—
Zoar Mills,	Wood brush backs,	5	—	—	1	Good, .	Children's certificate; guard cranks and belts.	Complied.
CONWAY.								
Tucker & Cook Manufacturing Co., Lower Mill.	Cotton yarns,	12	8	—	3	Good, .	Guard belt; children's certificate; time notice.	Complied.
Willard Newton,	Box lumber,	8	—	—	—	Good, .	None, .	—
Tucker & Cook Manufacturing Co., No. 1 Mill.	Cotton yarns,	20	13	—	—	Good, .	None, .	—
Tucker & Cook Manufacturing Co., No 2 Mill.	Cotton yarns,	12	8	—	—	Good, .	None, .	—
Conway Creamery,	Butter,	6	1	—	—	Good, .	None, .	—
CLARKSBURG.								
Linwood Mills,	Woollen cloth,	115	35	—	5	Good, .	None, .	—
Linwood Mills,	Woollen cloth,	98	38	—	8	Fair, .	Sanitaries,	Complied.
F. W. Wellsby Estate,	Flour and feed,	4	—	—	—	Good, .	None, .	—
George Hall,	Packing boxes,	6	—	—	—	Good, .	None, .	—

COLRAIN.

Griswoldville Manufacturing Co., Upper Mill.	Cotton cloth,	55	40	3	10	Good,	None,	.	.	.	.	.	-
Griswoldville Manufacturing Co., Lower Mill	Cotton cloth,	56	42	-	10	Good,	None,	.	.	.	.	.	-
Griswoldville Manufacturing Co., Upper Mill.	Cotton cloth,	55	45	-	10	Good,	None,	.	.	.	.	.	-
W. W. Carey,	Beehives, .	6	-	-	-	Good,	Guard shafting,	.	.	.	.	.	Complied.
Canedy & Field,	Light prints and yarns.	36	20	-	2	Good,	None,	.	.	.	.	.	-

DALTON.

Dalton Shoe Co.,	Ladies' shoes,	82	43	-	5	Good,	Guard shafting,	.	.	.	.	.	Complied.
Z. & W. M. Crane, Stone Mill,	Ledger paper,	35	30	-	-	Good,	None,	.	.	.	.	.	-
Renfrew Manufacturing Co, . .	Cotton yarn,	16	16	-	2	Good,	None,	.	.	.	.	.	-
Crane & Co., Pioneer Mill,	Ledger paper,	30	23	-	-	Good,	Time notice; designate water-clo-	.	.	.	.	.	Complied.
Byron Weston Paper Co., De-	Ledger paper,	24	21	-	-	Good,	sets; guard gears and drums.	.	.	.	.	.	Complied.
fiance Mill.							Guard gears,	.	.	.	.	.
Byron Weston Paper Co., Con-	Ledger paper,	26	24	-	-	Good,	None,	.	.	.	.	.	-
tinental Mills.													
Byron Weston Paper Co., No. 3 Mill.	Ledger paper,	6	96	-	2	Good,	None,	.	.	.	.	.	-
Old Berkshire Mills,	Letter paper,	32	78	-	-	Good,	None,	.	.	.	.	.	-
Dalton Shoe Co.,	Ladies' shoes,	92	53	-	12	Good,	None,	.	.	.	.	.	-
C. D. Everett,	Pickles,	6	-	-	-	Good,	Guard belts,	.	.	.	.	.	Complied.
Anus Pocket-book Manuf'g Co.,	Pocket-books,	20	28	-	-	Good,	None,	.	.	.	.	.	-
Wiley, Russel Manuf'g Co.,	Blacksmiths' tools,	150	-	-	7	Good,	None,	.	.	.	.	.	-

DEERFIELD.

DISTRICT No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
DEERFIELD — <i>Concluded.</i>								
Robert Childs, . . .	L u m b e r a n d shingles.	8	—	—	Good, .	Guard belts, . . .	Complied.	
Wyley, Russel Manuf'g Co.,	Blacksmiths' tools,	180	—	—	Good, .	None, . . .	—	
J. B. Bridges & Co., . . .	Lumber and flour,	8	—	—	Good, .	None, . . .	—	
EGREMONT.								
Dalzel Axle Co., . . .	Carriage axles, . .	40	—	—	Good, .	Guard shafting, . .	Complied.	
C. R. Brewer, . . .	Lumber and shin- gles.	8	—	—	Good, .	None, . . .	—	
ERVING.								
Miller's Falls Co., Main Mill,	Light hardware, . .	135	5	—	Good, .	None, . . .	—	
Miller's Falls Co., Lower Mill,	Light hardware, . .	16	8	—	Good, .	None, . . .	—	
Miller's Falls Co., Lumber Mill,	Lumber and boxes,	4	—	—	Good, .	None, . . .	—	
Washburn & Heywood, . . .	Chairs, . . .	60	—	—	Good, .	Guard shafting and belts,	Complied.	
Miller's Falls Co., Lower Mill,	Wood handles, . .	11	4	—	Good, .	None, . . .	—	
Miller's Falls Co., Upper Mill,	Light hardware, . .	175	5	—	Good, .	Children's certificates; time notice,	Complied.	
GILL.								
New England Fibre Co., . .	Paper pulp, . . .	30	—	—	Good, .	None, . . .	—	
Turner's Falls Lumber Co.,	Dimension lumber,	54	—	—	Good, .	None, . . .	—	
Lucey & Lamson, . . .	Feed and flour, . .	4	—	—	Good, .	None, . . .	—	

GREENFIELD.

Wells Bros., . . .	Plates and dies, .	60	3	—	Good, .	None, .	•	•	•	—
Charles P. Field & Co., . . .	Baby carriage stock.	15	—	—	Good, .	None, .	•	•	•	—
Greenfield Electric Light & Power Co.	Light and power,	6	—	—	Good, .	None, .	•	•	•	—
F. L. Burnham, . . .	Wood finish, .	14	—	—	Good, .	None, .	•	•	•	—
Baxter B. Noyce, . . .	Wooden tools, .	8	—	—	Good, .	None, .	•	•	•	—
F. A. Rugg Manufacturing Co., . . .	Shovels and rakes, .	25	—	—	Good, .	Guard shafting and belts, .	•	•	•	Complied.
Dudley Box Co., . . .	Wood boxes, .	13	—	—	Good, .	None, .	•	•	•	—
Greenfield Shoe Co., . . .	Youths' shoes, .	36	14	—	Good, .	Guard set saws in battery room, .	•	•	•	Complied.
W. N. Potter & Sons, . . .	Flour and feed, .	10	1	—	Good, .	Guard belts, .	•	•	•	Complied.
E. H. Eddy & Sons, . . .	Wood cloak hang- ers.	3	—	—	Good, .	Guard shafting and drums, .	•	•	•	Complied.
A. F. Towle & Son Manuf'g Co., . . .	Silverware, .	103	11	—	Good, .	Guard shafting, .	•	•	•	Complied.
Goodell Bros., . . .	Light hardware, .	10	—	—	Good, .	None, .	•	•	•	—
Baxter B. Noyce, . . .	Garden tools, .	10	—	—	Good, .	None, .	•	•	•	—
Merriam & Tilden, . . .	Iron castings, .	6	—	—	Good, .	Guard shafting, .	•	•	•	Complied.
F. A. Rugg Manufacturing Co., . . .	Shovels and rakes, .	25	1	—	Good, .	None, .	•	•	•	—
Merriam & Tilden, . . .	Iron castings, .	6	—	—	Good, .	None, .	•	•	•	—
Chas M. Wood, . . .	Paper boxes, .	1	5	—	Good, .	None, .	•	•	•	—
L. M. Field, . . .	Brick, . . .	28	—	—	Good, .	None, .	•	•	•	—
E. F. Kilburn, . . .	Lumber and shin- gles.	6	—	—	Good, .	None, .	•	•	•	—
Cutler, Lyon & Field, . . .	Shoes, . . .	100	62	—	Good, .	None, .	•	•	•	—
Nichols Bros., . . .	Butchers' cutlery, .	13	1	—	Good, .	None, .	•	•	•	—
A. F. Towle & Son Manuf'g Co., . . .	Silverware, . .	90	10	—	Good, .	None, .	•	•	•	—
Franklin Shoe Co., . . .	Shoes, . . .	20	10	—	Good, .	None, .	•	•	•	—
Green River Mills, . . .	Flour and feed, .	4	—	—	Good, .	None, .	•	•	•	—
Cutler, Lyon & Field, . . .	Shoes, . . .	65	55	—	Good, .	None, .	•	•	•	—
Stratton Bros., . . .	Spirit levels, .	8	—	—	Good, .	None, .	•	•	•	—

DISTRICT No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
GREENFIELD — <i>Concluded.</i>							
T. Morey & Son,	Electrotype printers.	14	10	—	Good, .	None, .	—
Emil Wessbrod & Son, . .	Pocket-books, .	10	22	—	Good, .	None, .	—
GREAT BARRINGTON.							
Owen Paper Co.,	Copying paper, .	10	29	—	Good, .	None, .	—
Riverdale Mills,	Bed spreads, .	30	8	—	Good, .	Time notice; guard engine crank, .	Complied
Monument Mills, No. 1, . .	Cotton yarns, .	89	66	—	Good, .	None, .	—
Monument Mills, No. 2, . .	Cotton yarns, .	41	31	—	Good, .	Post time notice, .	Complied.
Monument Mills, No. 3, . .	Bed spread weaving.	92	23	—	Good, .	None, .	—
C. R. Brewer,	Doors and windows, dimension timber.	8	—	—	Good, .	Guard engine, .	Complied.
HINSDALE.							
Hinsdale Bros. (Upper Mill), .	Woollen cloth, .	53	67	—	Good, .	None, .	—
Hinsdale Bros. (Stone Mill), .	Woollen cloth, .	155	60	—	Good, .	None, .	—
Hinsdale Bros. (Lower Mill), .	Woollen yarns, .	25	3	—	Good, .	None, .	—
HAWLEY.							
E. J. Crandall,	Lumber and grain, .	6	—	—	Good, .	None, .	—
E. W. Gould,	Lumber, .	4	—	—	Good, .	None, .	—

DISTRICT No. 10—*Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
MONTAGUE — <i>Concluded.</i>								
Myron, Maynard,	Shingles and lum-ber.	4	—	—	—	Good, .	. . . .	—
Montague City Fish Rod Co, . .	Fish rods,	30	10	—	—	Good, .	. . . .	—
John Russel Cutlery Co.,	Pocket and table cutlery.	585	40	—	26	Good, .	. . . .	—
Montague Paper Co.,	Newspaper,	154	38	—	—	Good, .	. . . .	—
Turner's Falls Cotton Co.,	Cotton cloth,	125	155	—	17	Good, .	. . . .	—
Turner's Falls Paper Co.,	Newspaper,	55	10	—	—	Good, .	. . . .	—
MONROE.								
James Ramage Paper Co, No. 3,	Wood pulp,	24	—	—	—	Good, .	. . . .	—
James Ramage Paper Co., No. 2,	Cardboard,	38	—	—	—	Good, .	. . . .	—
James Ramage Paper Co., No. 1,	Pulp stock,	8	—	—	—	Good, .	. . . .	—
W. H. Allen & Son,	Lumber,	6	—	—	—	Good, .	Guard belts,	Complied.
NORTH ADAMS.								
Arnold Print Works,	Print cloth,	556	107	—	27	Good, .	. . . .	—
Beaver Mills,	Print cloth,	45	75	—	10	Good, .	. . . .	—
North Adams Manufacturing Co.,	Woollen cloth,	122	53	—	3	Good, .	. . . .	—
Windsor Print Co.,	Print cloth,	381	87	—	31	Good, .	. . . .	—
W. G. Parker,	Machine shop,	4	—	—	—	Good, .	. . . .	—
Blackinton Woollen Co.,	Woollen goods,	123	70	—	7	Good, .	. . . .	—

District No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
NORTH ADAMS— <i>Concluded.</i>								
James Hunter Machine Co.,	Machinists, .	125	1	—	—	Good, .	None, .	—
Barber Leather Co., .	Finished leather, .	80	—	—	—	Good, .	None, .	—
North Adams Transcript,	Job printing, .	16	—	—	—	Good, .	None, .	—
Beaver Mills, .	Print cloth, .	42	70	—	8	Good, .	None, .	—
Eclipse Mills, .	Print cloth, .	75	55	—	4	Good, .	None, .	—
ORANGE.								
J. Reynolds, .	Men's and boys' shoes.	120	40	—	13	Good, .	None, .	—
Dufton Bros., .	Satinets, .	8	6	—	—	Good, .	Time notice, .	Complied.
National Keg & Box Co.,	Wood boxes, .	68	7	—	4	Poor, .	Time notice; sanitaries, .	Complied.
S. D. Munroe, .	Wood finish, .	7	—	—	—	Good, .	None, .	—
Leavitt Machine Co, .	Light hardware, .	12	—	—	—	Good, .	None, .	—
George W. Lawrence, .	Wood boxes, .	7	—	—	—	Good, .	None, .	—
Home Sewing Machine Co.,	Sewing machines, .	495	—	—	—	Good, .	None, .	—
Orange Furniture Co.,	Furniture, .	20	—	—	1	Good, .	Children's certificates, .	Complied.
Orange Steam Laundry,	Laundry, .	3	5	—	—	Good, .	Time notice, .	Complied.
Orange Journal, .	Job printing, .	2	3	—	—	Good, .	Time notice, .	Complied.
J. Reynolds, .	Men's and boys' shoes.	225	55	—	26	Good, .	None, .	—
PITTSFIELD.								
W. E. Tillison, Sternsville, .	Woollen cloth, .	180	4	—	4	Good, .	None, .	—

Government Mill, . . .	30	20	—	Good, .	None, .	•	•	•	•	—
Pomeroy Woollen Co., .	95	90	—	Good, .	None, .	•	•	•	•	—
Pontosee Woollen Co., .	139	110	—	Good, .	None, .	•	•	•	•	—
Sprague-Brinner Manuf'g Co., .	13	78	—	Good, .	None, .	•	•	•	•	—
Wilson & Houghton, . .	210	194	—	Good, .	None, .	•	•	•	•	—
Cheshire Shoe Co., . . .	56	60	—	Good, .	None, .	•	•	•	•	—
Berkshire Overall Co., .	12	29	—	Good, .	None, .	•	•	•	•	—
Pittsfield Electric Light & Power Co., .	20	—	—	Good, .	Guard drums, .	•	•	•	•	Complied.
S. N. & C. Russell, . . .	165	80	—	Good, .	None, .	•	•	•	•	—
Robbins, Kellogg & Co., .	170	65	—	Good, .	Children's certificates; guard shafting.	•	•	•	•	Complied.
Z. & W. M. Crane, . . .	49	11	—	Good, .	None, .	•	•	•	•	—
T. R. Glentz,	25	—	—	Good, .	None, .	•	•	•	•	—
A. H. Rice & Co., . . .	57	68	—	Poor, .	Children's certificates; guard shafting; sanitarines	•	•	•	•	Complied.
Stanley Electric Co., . . .	141	4	—	Good, .	Post time notice, .	•	•	•	•	Complied.
Stevenson Manufacturing Co., .	50	—	—	Good, .	None, .	•	•	•	•	—
J. L. & T. D. Peck Manufacturing Co., No. 2.	69	37	—	Good, .	Guard shafting, .	•	•	•	•	Complied.
J. L. & T. D. Peck Manufacturing Co., No. 1.	45	31	—	Good, .	Guard shafting, .	•	•	•	•	Complied.
Ginslich & White, . . .	30	—	—	Good, .	New cable for elevators, .	•	•	•	•	Complied.
Sisson & Robinson, . . .	4	12	—	Good, .	None, .	•	•	•	•	—
S. N. & C. Russell, . . .	143	57	—	Good, .	Guard hoistway, .	•	•	•	•	Complied.
Wilson & Houghton, Bellair Mill, .	91	35	—	Good, .	Children's certificates, .	•	•	•	•	Complied.
Bay State Steam Laundry, . .	4	8	—	Good, .	Post time notice, .	•	•	•	•	Complied.
Pittsfield Manufacturing Co., .	40	5	—	Good, .	None, .	•	•	•	•	—
R. A. Manock,	3	4	—	Good, .	Post time notice, .	•	•	•	•	Complied.

DISTRICT No. 10 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.			
				14 to 16.			
PITTSFIELD — Concluded.							
W. T. Tiltson, Morningside,	Worsted goods,	82	178	25	Good,	None,	—
Sprague & Bremner,	Gents' shirts,	6	79	3	Good,	None,	—
Hulburt Stationery Co.,	Stationery,	16	31	—	Good,	Post time notice; guard shafting,	Complied.
A. M. Chappel,	Machinists,	12	—	—	Good,	None,	—
W. E. Tiltson, Sternsville,	Woollen cloth,	130	20	2	Good,	Children's certificates,	Complied.
Pittsfield Journal,	Job printing,	13	4	—	Good,	None,	—
S. S. Morse,	Silver-plated goods.	6	—	—	Good,	None,	—
Henry & Blain,	Cut rags,	12	4	—	Good,	None,	—
Z. A. Ward,	Wood working shop.	9	—	—	Good,	None,	—
Teeling Baking Co.,	Bakery,	16	4	—	Good,	None,	—
ROWE.							
Davis Sulphur Ore Co.,	Sulphur ore,	73	—	2	Good,	Children's certificates; guard drums,	Complied.
SAVOY.							
Frank Ford,	Chair stock,	6	—	—	Good,	None,	—
SHEFFIELD.							
The Red Mills,	Flour and feed,	6	—	—	Good,	None,	—

SHELBERNE.

H. H. Mayhew Co.,	.	.	Light hardware,	30	—	—	1	Good,	.	Repair gates to elevator,	.	Complied.
Goodell Tool Co.,	.	.	Braces and drills,	6	—	—	1	Good,	.	None,	.	—
Mayhew & Walkins,	.	.	Sewing silk,	12	24	—	4	Good,	.	None,	.	—
Frost & Bartlett,	.	.	Lumber and feed,	8	—	—	—	Good,	.	None,	.	—
Lamson, Goodnough Manuf'g Co.,	.	.	Table cutlery,	8	1	—	2	Good,	.	None,	.	—

STOCKBRIDGE.

Chas. O. Callender,	.	.	Wrapping paper,	35	6	—	—	Good,	.	None,	.	—
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WILLIAMSTOWN.

W. N. Hodge,	.	.	Flour and feed,	4	—	—	—	Good,	.	None,	.	—
Boston Finishing Co.,	.	.	Bleached cotton goods,	65	2	—	—	Good,	.	Guard gears,	.	Complied.
A. W. Hodge,	.	.	Grain elevator,	6	—	—	—	Good,	.	None,	.	—
R. R. Coles,	.	.	Lumber and shingles,	4	—	—	—	Good,	.	None,	.	—
Boston Finishing Co.,	.	.	Bleached cotton goods,	68	8	—	1	Good,	.	Children's certificates; notice.	post time	Complied.

WINDSOR.

Estate of H. L. Allen,	.	.	Lumber and shingles,	12	—	—	3	Good,	.	Children's certificates; notice.	post time	Complied.
Chas H. Ball,	.	.	Iron bridges,	6	—	—	—	Good,	.	None,	.	—

*Report of Elevators Inspected.*DISTRICT No. 4. MALCOLM SILLARS, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Chelsea.				
White, Holeman & Co., . . .	1	Good,	None.	-
J. W. Stickney & Co., . . .	1	Poor,	Repair safety device,	Complied.
A. S. Rogers & Co., . . .	1	Good,	None.	-
Low Art Tile Co., . . .	1	Good,	None.	-
Atwood & McManus, . . .	1	Good,	None.	-
Austin & Graves, . . .	1	Good,	None.	-
A. L. Haskell & Son, . . .	1	Good,	None.	-
Magee Furnace Co., . . .	5	Good,	None.	-
Revere Rubber Co., . . .	1	Good,	None.	-
Forbes Lithograph Co., . . .	1	Good,	None.	-
Boston Rubber Co., . . .	1	Good,	None.	-
American Fire Hose Manuf'g Co.,	1	Fair,	None.	-
W. L. Davis, Agent, . . .	1	Poor,	New wire cable; repair and strengthen safety device.	Complied.
Thos. Strahn Co., . . .	1	Fair,	None.	-
Swett Car Wheel Foundry Co., .	1	Fair,	Strengthen elevator car, .	Complied.
Revere.				
D. & L. Slade Co., . . .	1	Fair,	None.	-

*Report of Elevators Inspected.*DISTRICT No. 1. JAMES C. MURRAY, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Acton.				
A. Merriam & Co., . . .	1	Good,	None.	-
Cambridge.				
American Rubber Co., . . .	3	Good,	None.	-
Keeler & Co., . . .	1	Good,	None.	-
A. B. & E. L. Shaw, . . .	1	Good,	None.	-
J. P. Squire & Co., . . .	13	-*	Provide safety device for one elevator.	Complied
Laminar Fibre Goods Co., . .	1	Good,	None.	-
George R. Oliver, . . .	1	Poor,	Provide safety device,	Complied.
Revere Sugar Refinery Co., .	3	Good,	None.	-
Dracut.				
Michael Collins, . . .	1	Good,	None.	-
Everett.				
Edward Dewey & Co., . . .	1	Good,	None.	-
Lowell.				
Frank K. Stearns, . . .	1	Good,	None.	-
J. S. Jaques Shuttle Co., . .	1	Good,	None.	-
Whittier Cotton Mills, . . .	1	Good,	None.	-
Massachusetts Cotton Mills,	15	-†	Provide safety device for three elevators.	Complied.
Lowell Manufacturing Co., . .	5	-*	New cable and safety device for one elevator.	Complied.
Boott Cotton Mills, . . .	1	Good,	None.	-
C. I. Hood & Co., . . .	2	Poor,	Provide safety device for two elevators.	Complied.

* One poor.

† Three poor.

Report of Elevators Inspected—Concluded.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Lowell—Con.				
Merrimack Manufacturing Co., .	18	Good,	None.	-
Lawrence Manufacturing Co., .	17	-*	Provide safety device for one elevator.	Complied.
Lowell Bleachery & Dye Co., .	4	-†	Safety device for two elevators; new cable to small elevator.	Complied.
Lladnek Print Co.,	1	Poor,	Provide safety device,	Complied.
White Bros. & Co.,	1	Poor,	Provide safety device,	Complied.
Malden.				
Webster & Co.,	3	Good,	None.	-
Somerville.				
North Packing & Provision Co., .	13	-†	Provide safety device for two elevators.	Complied.
New England Dressed Meat & Wool Co.	2	Good,	None.	-
Stoneham.				
P. Cogan & Son,	1	Good,	None.	-
Waltham.				
Boston Manufacturing Co., . .	9	Good,	Provide safety device for one elevator.	Complied.
Woburn.				
Coombs & Brown,	1	Good,	None.	-
Winslow S. Cobb & Co., . . .	1	Good,	None.	-
J. P. Crane & Co.,	1	Good,	None.	-
Winchester.				
McKay Metallic Fastening Co., .	1	Good,	None.	-

* One poor.

† Two poor.

*Report of Elevators Inspected.*DISTRICT No. 5. JOHN E. FOULDS, *Inspector.*

NAME OF BUILDINGS.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Athol.				
A. F. Tyler,	1	Good,	None.	-
Hill & Greene,	1	Good,	None.	-
Goddard & Manning,	1	Good,	None.	-
L. S. Starrett Co.,	2	Good,	None.	-
Ashburnham.				
W. F. Whitney,	2	Good,	None.	-
O. Whitney & Co.,	1	Good,	None.	-
American Railroad Improvement Co.	1	Good,	None.	-
Clinton.				
Clinton Wire Cloth Co., . . .	3	Good,	None.	-
Bigelow Carpet Co., School and Main Streets.	9	Good,	None.	-
Lancaster Mills,	7	Good,	None.	-
Clinton Wall Trunk Co., . . .	1	Good,	None.	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Fitchburg.				
Grant Yarn Co.,	1	Good,	None.	-
Simons Manufacturing Co.,	3	Good,	None.	-
Parkhill Manufacturing Co.,	5	Good,	None.	-
Oswell Mills,	4	Good,	None.	-
Star Worsted Co.,	1	Good,	None.	-
Iver, Johnson Co.,	3	Good,	None.	-
B. F. Pitts,	1	Good,	None.	-
E. M. Dickinson & Co.,	1	Good,	None.	-
H. A. Hawley & Co.,	1	Good,	None.	-
Fitchburg Machine Works,	1	Good,	None.	-
C. H. Brown & Co.,	1	Good,	None.	-
Simons Rolling Machine Co.,	1	Good,	None.	-
E. F. Belding & Co.,	1	Good,	None.	-
Fitchburg S. E. Co.,	1	Good,	None.	-
Geo. W. Wheelwright Paper Co.,	2	Good,	None.	-
Crocker & Burbank, Mill No. 1,	1	Good,	None.	-
Crocker & Burbank, Mill No. 2,	1	Good,	None.	-
Crocker & Burbank, Mill No. 7,	1	Good,	None.	-
Crocker & Burbank Pulp Mill,	2	Good,	None.	-
Fitchburg Paper Co.,	5	Good,	None.	-
Beoli Co.,	2	Good,	None.	-
Fitchburg Railroad Car Shops,	1	Good,	None.	-
Falulah Paper Co.,	2	Good,	None.	-
H. F. Nevins,	1	Good,	New elevator.	-
Gardner.				
Central Oil & Gas Stove Co.,	1	Good,	None.	-
Nichols Bros.,	2	Good,	None.	-
Blount Manufacturing Co.,	1	Good,	None.	-
John A. Dunn,	3	Good,	None.	-
A. & H. C. Knowlton,	1	Good,	None.	-
Heywood Bros.,	8	Good,	None.	-
P. Derby & Co.,	2	Good,	None.	-
Conant, Ball & Co.,	1	Good,	None.	-
Wyman & Upham,	1	Good,	None.	-
Wright, Read & Co.,	1	Good,	None.	-
S. K. Pierce & Son,	2	Good,	None.	-
L. B. Ramsdell,	1	Good,	None.	-
S. Bent & Bros.,	1	Good,	None.	-
Leominster.				
Richardson Piano Case Co.,	1	Good,	None.	-
W. S. Reed Toy Co.,	1	Good,	None.	-
F. A. Whitney & Co.,	1	Good,	None.	-
J. H. Lockey Piano Case Co.,	1	Good,	None.	-
Leominster Shirt Co.,	2	Good,	None.	-
Wachusett Shirt Co.,	2	Good,	None.	-
F. A. Whitney Carriage Co.,	3	Good,	None.	-
Leominster Worsted Co.,	1	Good,	None.	-
Jewett Piano Co.,	1	Good,	None.	-
Edw. M. Rockwell,	1	Good,	None.	-
Whitney Reed Chair Co.,	2	Good,	None.	-
Horn Supply Co.,	1	Good,	None.	-
Freeborn G. Smith,	1	Good,	None.	-
National Fibre Board Co.,	1	Good,	None.	-
Merriam Hall & Co.,	2	Good,	None.	-
Lancaster.				
Lancaster Manufacturing Co.,	1	Good,	None.	-
Smithville.				
J. Edwin Smith,	1	Good,	None.	-
Templeton.				
J. M. Greenwood & Co.,	1	Good,	None.	-
T. T. Greenwood,	1	Good,	None.	-
Bourne, Hadley & Co.,	1	Good,	None.	-
Baker & Wilson,	1	Good,	None.	-
D. L. Thompson & Son,	1	Good,	None.	-
Waite Chair Co.,	1	Good,	None.	-
Smith, Day & Co.,	1	Good,	None.	-

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Winchendon.				
Nelson D. White & Sons, . . .	2	Good,	None.	-
Caleb W. Day & Sons, . . .	1	Good,	None.	-
Morton E. Converse & Co., . .	3	Good,	None.	-
Dan'l W. Bennett, . . .	1	Good,	None.	-
Parker & Mason, . . .	1	Good,	None.	-
G. N. Goodspeed, . . .	1	Good,	None.	-
Wendel P. Clark, . . .	1	Good,	None.	-
Westminster.				
A. Merriam, . . .	1	Good,	None.	-

*Report of Elevators Inspected.*DISTRICT No. 6. JOHN F. TIERNEY, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Taunton.				
Whittenton Manufacturing Co., .	7	Good,	None.	-
Elizabeth Pool Mills, . . .	2	Good,	None.	-
Canoe River Mills, . . .	1	Good,	None.	-
Cohannet Mills, . . .	5	Good,	None.	-
Reed & Barton Manuf'g Co., . .	3	Good,	None.	-
Eagle Mills, . . .	1	Good,	None.	-
Nemasket Mills, . . .	1	Good,	None.	-
A. Field & Son, . . .	4	Good,	None.	-
Taunton Tack Co., . . .	2	Good,	None.	-
Oakland Mills, . . .	1	Good,	None.	-
Westville Mills, . . .	1	Good,	None.	-
Morton Bros., . . .	1	Good,	None.	-
H. L. Cushman, . . .	2	Good,	None.	-
Anthony & Cushman, . . .	1	Good,	None.	-
Taunton Oil Cloth Co., . . .	2	Good,	None.	-
North Dighton.				
Mount Hope Mills, . . .	1	Good,	None.	-
Attleborough.				
Hebron Mills, . . .	1	Good,	None.	-
Dodgeville Mills, . . .	2	Good,	None.	-
North Easton.				
Rice & Hutchings, . . .	1	Good,	None.	-
Mansfield.				
Comey & Co., . . .	2	Good,	None.	-
Rumsey Bros., . . .	1	Good,	None.	-
New Bedford.				
Pierce Manufacturing Co., . . .	2	Good,	None.	-
Bristol Manufacturing Co., . .	1	Good,	None.	-
Acushnet Mills, . . .	4	Good,	None.	-
Potomska Mills, . . .	3	Good,	Put new rope on elevator,	Complied.
Wamsutta Mills, . . .	9	Good,	None.	-
Bennett Mills, . . .	2	Good,	None.	-
Rotch Mills, . . .	3	Good,	None.	-
Howland Mills, . . .	2	Good,	None.	-
National Cordage Co., . . .	2	Good,	None.	-
Grinnell Mills, . . .	2	Good,	None.	-
City Manufacturing Co., . . .	2	Good,	None.	-
New Bedford Manufacturing Co.,	2	Good,	None.	-
J. C. Rhodes & Co., . . .	2	Good,	None.	-
D. A. Snell, . . .	2	Good,	Put new railing on elevator,	Complied.
Mount Washington Glass Works,	3	Good,	None.	-
Pairpoint Manufacturing Co., . .	4	Good,	None.	-
Morse Twist Drill Co., . . .	1	Good,	None.	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
New Bedford—Con.				
Columbia Mills,	1	Good,	None.	-
Hathaway Mills,	3	Good,	None.	-
Ullman Manufacturing Co., .	1	Good,	None.	-
New Bedford Iron Foundry, .	1	Good,	Put on automatic gates, .	Complied.
Westport.				
Westport Factory,	2	Good,	None.	-
Fairhaven.				
Atlas Tack Co.,	2	Good,	None.	-
Freetown.				
Crystal Spring Bleachery, . .	1	Good,	None.	-
N. R. Davis & Son,	1	Good,	None.	-
Fall River.				
Seaconnet Mills,	2	Good,	None.	-
Cornell Mills,	2	Good,	None.	-
Hargraves Mills,	4	Good,	None.	-
Stafford Mills,	4	Good,	None.	-
Wampanoag Mills,	4	Good,	None.	-
Barnaby Mills,	1	Good,	None.	-
Barnard Mills,	1	Good,	None.	-
Merchants' Mills,	5	Fair, .	Repair elevator in No. 2 mill.	Complied.
Granite Mills,	5	Good,	None.	-
Pocasset Mills,	3	Good,	None.	-
American Linen Mills, . . .	4	Good,	None.	-
Union Mills,	4	Good,	None.	-
Durfee Mills,	6	Good,	Repair hatchways on elevator.	Complied.
Stevens Mills,	1	Good,	None.	-
Annawan Mills,	1	Good,	None.	-
Metacomet Mills,	1	Good,	None.	-
Flint Mills,	2	Fair, .	Put new gears on north elevator.	Complied.
Davol Mills,	1	Good,	None.	-
Tecumseh Mills,	2	Good,	None.	-
Robinson Mills,	2	Good,	None.	-
Chase Mills,	3	Good,	None.	-
Richard Borden Manuf'g Co., .	3	Good,	None.	-
Laurel Lake Mills,	2	Good,	None.	-
Slade Mills,	2	Good,	None.	-
Nicholes Bros.,	1	Good,	None.	-
Sanford Spinning Co.,	1	Good,	None.	-
Globe Yarn Mills,	7	Good,	None.	-
Conanicut Mills,	1	Good,	None.	-
Kerr Thread Mills,	3	Good,	None.	-
Osborn Mills,	4	Good,	None.	-
Troy Mills,	2	Good,	None.	-
Fall River Manufacturing Co., .	1	Good,	None.	-
Mechanics' Mills,	2	Good,	None.	-
Narragansett Mills,	2	Good,	None.	-
Fall River Iron Works Co., . .	5	Good,	None.	-
Belmont Manufacturing Co., . .	2	Good,	None.	-
Border City Manufacturing Co., .	4	Good,	None.	-
Sagamore Manufacturing Co., . .	2	Good,	None.	-
Shove Mills,	2	Good,	None.	-
Weetamoe Mills,	2	Good,	None.	-
American Printing Co.,	7	Good,	None.	-
Union Belt Co.,	1	Fair, .	Repair safety device on elevator.	Complied.
Massasoit Manufacturing Co., . .	1	Good,	None.	-
Fall River Laundry,	1	Good,	Repair elevator.	Complied.
Fall River Bobbin Co.,	1	Good,	Put new gates on elevator,	Complied.
Jess Eddy Manufacturing Co., . .	2	Good,	None.	-
J. H. Estis & Co.,	1	Good,	None.	-
Fall River Bleachery,	4	Good,	None.	-

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Somerset.				
Somerset & Johnsonburg Co., .	1	Good,	None.	-
Norton.				
A. H. Sweet,	1	Good,	None.	-
Attleborough Falls.				
Gold Medal Braid Co., . .	1	Good,	None.	-

*Report of Elevators Inspected.*DISTRICT No. 8. JOHN J. SHEEHAN, *Inspector.*

NAME OF BUILDINGS.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Beverly.				
Winslow & Rogers,	1	Good,	None.	-
Beverly Building Association, .	6	Good,	None.	-
Cornelius Murphy,	1	Good,	None.	-
Seth Norwood,	1	Good,	None.	-
J. L. Porter,	1	Good,	None.	-
Myron Woodbury,	1	Good,	None.	-
George H. Allen,	1	Good,	None.	-
William A. Foster,	1	Good,	None.	-
W. A. Lefavour,	1	Good,	None.	-
J. H. Baker,	1	Good,	None.	-
Baker Bros.,	1	Poor,	Adjust and repair hoisting machinery of elevator; guard elevator well on second floor.	Complied.
George A. Woodbury, 2d, . . .	1	Good,	None.	-
J. A. Wallis & Co.,	1	Good,	None.	-
Charles H. Creesy,	1	Good,	None.	-
Frank Woodbury,	1	Good,	None.	-
Solon Lovett,	1	Good,	None.	-
Danvers.				
J. E. Crosby & Co.,	1	Poor,	Repair safety device on elevator car.	Complied.
Eaton & Sears,	1	Good,	None.	-
S. W. Spaulding,	1	Good,	None.	-
W. H. Burns,	1	Good,	None.	-
J. L. Jellerson,	1	Good,	None.	-
Clapp & Tapley,	1	Good,	None.	-
Danvers Building Association, .	1	Good,	None.	-
Gloucester.				
Russia Cement Co.,	2	Good,	None.	-
Cape Ann Shoe Co.,	1	Good,	None.	-
Net & Twine Co.,	1	Good,	None.	-
Merchant Box Co.,	1	Good,	None.	-
Ipswich.				
Ipswich Mills Co.,	4	Good,	None.	-
Ipswich Building Association, .	1	Good,	None.	-
Millett & Woodbury,	1	Good,	None.	-
Lynn.				
Dearborn Bros.,	1	Good,	None.	-
A. B. Hoffman,	2	Good,	None.	-
Edward E. Elder,	3	Good,	None.	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Lynn — Con.				
Mower Bros.,	2	Poor,	Procure new hoisting ropes for both elevators; repair gates on second floor.	Complied.
George H. Allen,	1	Good,	None.	-
A. F. Smith,	1	Good,	None.	-
George W. Harnden,	1	Poor,	Repair safety device on car; guard elevator well on each floor.	Complied.
Southworth & Campbell,	1	Good,	None.	-
Keene Bros.,	4	Good,	Guard elevator well in building No. 2.	Complied.
James Phelan & Sons,	1	Good,	None.	-
Charles B. Tebbetts,	1	Good,	None.	-
Potter & Blanchard,	1	Good,	None.	-
S. N. Breed & Co.,	13	Good,	Repair self-closing hatches of elevators Nos. 2 and 3.	Complied.
Macajah Butman,	1	Poor,	Repair and adjust hoisting machinery; repair car.	Complied.
Moulton & Bennett,	1	Good,	None.	-
Charles Buffum,	1	Good,	None.	-
George H. Breed,	1	Good,	None.	-
Lucian Newhall,	1	Good,	None.	-
C. W. Wilson,	2	Good,	None.	-
Harney Bros.,	1	Good,	None.	-
Skinner & Scott,	1	Good,	None.	-
G. K. & H. A. Pevear,	3	Good,	None.	-
P. P. Sherry,	2	Poor,	Repair and adjust the hoisting machinery of both elevators; procure new pulleys for the belts.	Complied.
Russell & Co.,	1	Good,	None.	-
J. B. Renton,	1	Good,	None.	-
George A. Crossman,	1	Good,	Repair gates third floor, .	Complied.
C. S. Sweetser,	1	Good,	None.	-
Nathan Breed,	1	Good,	None.	-
V. K. & A. H. Jones,	2	Good,	None.	-
G. Webster King,	2	Good,	Repair self-closing hatches on second and third floors of elevator No. 1.	Complied.
S. B. Breed,	1	Good,	None.	-
Walter S. Dickson,	1	Good,	None.	-
Duffy & Oulton,	1	Good,	None.	-
James O. Marshall,	1	Good,	Procure new hoisting ropes for self closing hatches.	Complied.
Joseph G. Brown,	1	Good,	None.	-
Frank Breed,	2	Good,	None.	-
Walter M. Libby,	2	Good,	None.	-
F. E. Abbott,	1	Good,	None.	-
E. H. Ashcroft,	1	Good,	None.	-
Blake Estate,	1	Good,	None.	-
J. B. Thomas,	3	Good,	None.	-
Charles E. Harwood,	1	Good,	None.	-
Lucius Beebe & Sons,	2	Good,	None.	-
Strout Bros.,	2	Good,	None.	-
J. J. Grover,	1	Good,	None.	-
Frank Spaulding,	1	Poor,	Procure new hoisting rope for elevator car.	Complied.
Littlefield & Plummer,	6	Good,	Guard elevator well of elevator No. 6 on every floor.	Complied.
J. C. Bennett,	3	Good,	None.	-
P. Lennox,	5	Good,	None.	-
John McNair,	1	Good,	Guard elevator well on every floor.	Complied.
E. R. Golden,	1	Good,	Guard well on second floor.	Complied.
Thomson-Houston Electric Co.,	7	Good,	None.	-
Central Investment Co.,	2	Good,	None.	-

Report of Elevators Inspected—Concluded.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Marblehead.				
Building Association, . . .	2	Good,	Procure new shipper rope for elevator No. 1.	Complied.
Wm. H. Boynton & Son, . . .	1	Good,	None.	-
Peabody.				
George J. Winchester, . . .	1	Good,	None.	-
R. S. D. Symonds, . . .	1	Good,	None.	-
Danvers Bleachery Co., . . .	1	Good,	None.	-
Salem.				
Devlin Bros., . . .	1	Good,	None.	-
Warren Page & Co., . . .	2	Good,	None.	-
Henry Harrington, . . .	1	Good,	None.	-
Charles Harrington, . . .	1	Good,	None.	-
Frank Tuttle, . . .	1	Good,	None.	-
George F. Putnam, . . .	1	Good,	None.	-
Matthew Robson, . . .	3	Good,	None.	-
Upton Felting Co., . . .	1	Poor,	Provide safety device for car; guard well on second floor.	-*
Peter Sim & Sons, . . .	2	Good,	None.	-
Treadwell Bros., & Clark, . . .	1	Good,	None.	-
Locke Bros., . . .	1	Good,	None.	-
Dennis Brady, . . .	1	Good,	None.	-
Hamilton & Balcomb, . . .	2	Good,	None.	-
Naumkeag Steam Cotton Co., . .	10	Good,	None.	-

* Factory closed.

*Report of Elevators Inspected.*DISTRICT No. 8. EDWARD B. PUTNAM, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Amesbury.				
Folger, Drummond & Co., . . .	1	Good,	None.	-
C. W. Long, . . .	1	Good,	None.	-
Samuel Rowell, . . .	1	Good,	None.	-
Hamilton Woolen Mills., . . .	7	Good,	None.	-
Andover.				
Smith & Dove Manufacturing Co.,	2	Good,	None.	-
Tyer Rubber Co., . . .	1	Good,	None.	-
Craighead & Kintz Co., . . .	1	Good,	None.	-
Bradford.				
Knipe Bros., . . .	1	Good,	None.	-
Georgetown.				
W. M. Brewster, . . .	1	Good,	None.	-
Georgetown Boot and Shoe Co.,	1	Good,	None.	-
G. W. Chaplin & Co., . . .	1	Good,	None.	-
Haverhill.				
Stevens & Co., Mill, . . .	1	Good,	None.	-
J. B. Swett's Estate, . . .	1	Good,	None.	-
C. H. Hayes, . . .	1	Good,	None.	-
Hoyt, Dow & Kennedy, . . .	1	Fair,	Verbal order to repair safety device.	Complied.
Gale Shoe Manufacturing Co., . .	1	Good,	None.	-

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Haverhill — Con.				
Elijah Fox,	1	Good,	None.	-
G. H. Hoyt,	2	Good,	None.	-
Levi L. H. Taylor,	1	Fair,	Repair self-closing hatches; provide communication between floors.	-
A. P. Jacques,	1	Good,	None.	-
John A. Gale,	1	Bad,	Repair safety device, ship- per rope and electric bells.	Complied.
John Pilling,	1	Good,	None.	-
C. W. Arnold,	1	Good,	None.	-
Estate Ezra Kelly,	1	Good,	None.	-
Bragg & Tilton,	1	Good,	None.	-
Lawrence.				
Kimball Bros.,	1	Good,	None.	-
Merrimac Paper Co.,	1	Fair,	Verbal order to repair safety device.	Complied.
Merrimac.				
Merrimac Wheel & Gear Co.,	1	Good,	None.	-
J. B. Judkins & Sons Co.,	1	Good,	None.	-
S. C. Pease & Sons,	2	Good,	None.	-
Wm. Chase & Son,	1	Good,	None.	-
J. A. Lancaster & Co.,	1	Good,	None.	-
H. G. & H. W. Stevens,	1	Good,	None.	-
Middleton.				
Middleton Paper Mills,	1	Good,	None.	-
C. A. Rogers,	1	Good,	None.	-
North Andover.				
Sutton Mill,	1	Good,	None.	-
North Andover Mill,	1	Good,	None.	-
M. T. Stevens & Son,	2	Good,	None.	-
Davis & Furber Machine Co.,	6	Good,	None.	-
Newburyport.				
Victoria Mills,	2	Good,	None.	-
Newburyport Shoe Co.,	1	Good,	None.	-
W. B. Thom & Co.,	1	Good,	None.	-
E. P. Dodge Manufacturing Co.,	1	Good,	None.	-
Dodge Bros.,	1	Good,	None.	-
Towle Manufacturing Co.,	1	Good,	None.	-
Rowley.				
Burke Heel Co.,	1	Good,	None.	-
Topsfield.				
W. H. Herrick,	1	Good,	None.	-

*Report of Elevators Inspected.*DISTRICT No. 9. HENRY SPLAINE, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Abington.				
Abington Tack and Machine Co.,	1	Good,	None.	-
Wm. S. O'Brien,	1	Good,	None.	-
E. L. Sprague & Co.,	1	Good,	None.	-
Kent & Brown,	1	Good,	None (a hoistway).	-

Report of Elevators Inspected—Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Abington—Con.				
Lewis A. Crossett,	1	Good,	None.	-
William E. Lyon,	1	Good,	None.	-
Cobb & Thompson,	1	Good,	None.	-
M. W. Arnold & Co.,	1	Good,	None (tower elevator).	-
M. N. Arnold & Co.,	1	Good,	None (east wing elevator).	-
King Brothers,	1	Good,	None (hand worked).	-
Avon.				
L. G. Littlefield,	1	Good,	None (hand worked).	-
J. B. Lewis & Co.,	1	Bad,	Repair safety device,	Complied.
Braintree.				
Jenkins Manufacturing Co., .	1	Good,	None.	-
Old Colony Cotton Mills, .	1	Good,	None (inside hoistway).	-
A. J. S. Morrison & Brothers, .	1	Good,	None (inside hoistway).	-
D. B. Closson & Co.,	1	Good,	None.	-
Brockton.				
Brockton Co operative Boot and Shoe Co.	1	Good,	None.	-
Woodward & Wright,	1	Good,	None.	-
S. E. Packard,	1	Good,	None.	-
Geo. E. Keith,	1	Good,	None (near office).	-
Geo. E. Keith,	1	Good,	None (Scott elevator).	-
E. & L. C. Keith,	1	Good,	None (inside hoistway).	-
E. & L. C. Keith,	1	Good,	None (inside hoistway).	-
Myron F. Thomas,	1	Good,	None.	-
Walker, Taylor & Co.,	1	Good,	None.	-
Whitman & Keith,	1	Good,	None.	-
W. S. Soule,	1	Good,	None.	-
P. B. Keith,	1	Good,	None (Hawkins).	-
P. B. Keith,	1	Good,	None (Goddard & Stone).	-
R. B. Grover,	1	Good,	None (larger).	-
R. B. Grover,	1	Good,	None (smaller).	-
Churchill & Alden,	1	Good,	None (larger).	-
Churchill & Alden,	1	Good,	None (smaller).	-
Thompson Brothers,	1	Good,	None.	-
H. C. Fuller,	1	Good,	None (outside hoistway).	-
A. Cranston Thompson,	1	Good,	None.	-
True Manufacturing Co.,	1	Good,	None (outside hoistway).	-
F. M. Shaw & Son,	1	Good,	-	-
Brockton Paper Box Factory, .	1	Good,	-	-
Elmer C. Packard,	1	Good,	None (Crescent Street).	-
Elmer C. Packard,	1	Good,	None (farther end).	-
A. B. Eldridge & Co.,	1	Good,	None (inside hoistway).	-
Elliott L. Bonney,	1	Good,	None.	-
Joyce & Ford,	1	Good,	None (near office).	-
Joyce & Ford,	1	Good,	None (farther end).	-
Henry M. Kingman,	1	Good,	None (farthest from office).	-
Henry M. Kingman,	1	Good,	None (office end).	-
Henry M. Kingman,	1	Good,	None (smallest).	-
Brockton Last Co.,	1	Good,	None.	-
Averell & Thayer,	1	Good,	None (inside hoistway).	-
A. F. Packard,	1	Good,	None (inside hoistway).	-
Geo. G. Snow,	1	Good,	None (near office).	-
Geo. G. Snow,	1	Good,	None (long side).	-
Brockton Cut Sole Co.,	1	Good,	None.	-
Howard T. Marshall,	1	Good,	None (80 Howard Street).	-
Howard T. Marshall,	1	Good,	None (27 Montello Street).	-
O. O. Patten,	1	Good,	None.	-
Howard & Foster,	1	Good,	None.	-
Stacey, Adams & Co.,	1	Good,	None (No. 1).	-
Stacey, Adams & Co.,	1	Good,	None (No. 3).	-
Lilley, Bracket & Co.,	1	Good,	None.	-
C. S. Pierce,	1	Good,	None.	-
Joshua M. Jenny,	1	Bad,	General repairing (a crane).	Complied.
Joshua M. Jenny,	1	Good,	None (inside hoistway).	-
George A. Carter,	1	Good,	None.	-
Bittenbender & Caverly,	1	Good,	None.	-
Emery M. Lowe,	1	Good,	None.	-
M. A. Packard & Co.,	1	Good,	None.	-
Chas. A. Eaton,	1	Good,	None.	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Brockton — Con.				
F. B. Washburn & Co., . . .	1	Good,	None.	-
F. B. Washburn & Co., . . .	1	Good,	None (inside hoistway).	-
Packard & Field, . . .	1	Good,	None.	-
F. M. Shaw & Son, . . .	1	Good,	None (inside hoistway).	-
F. M. Shaw & Son, . . .	1	Good,	None (outside hoistway).	-
T. D. Barry & Co., . . .	1	Good,	None.	-
Alfred E. Woodward, . . .	1	Good,	None (outside hoistway).	-
Frank E. White & Co., . . .	1	Good,	None.	-
L. C. Bliss & Co., . . .	1	Good,	None.	-
N. R. Packard & Co., . . .	1	Good,	None.	-
Ralph R. Littlefield, . . .	1	Good,	None.	-
Thomas White & Co., . . .	1	Good,	None (Whillier).	-
Thomas White & Co., . . .	1	Good,	None (Hawkins).	-
Horace F. Hodges, . . .	1	Good,	None (inside hoistway).	-
Terry, Ware & Alley, . . .	1	Good,	None.	-
A. H. Sonnenman & Co., . . .	1	Good,	None.	-
Field-Thurber Co., . . .	1	Good,	None (inside hoistway).	-
Means & Co., . . .	1	Good,	None.	-
C. A. Coffin & Co., . . .	1	Good,	None.	-
W. L. Douglass Shoe Co., . . .	1	Good,	None.	-
Enos H. Reynolds, . . .	1	Good,	None (inside hoistway).	-
F. W. Packard & Co., . . .	1	Good,	None (inside hoistway).	-
D. S. Packard & Co., . . .	1	Good,	None.	-
D. S. Packard & Co., . . .	1	Good,	None (small elevator).	-
O. A. Miller, . . .	1	Good,	None.	-
Reynolds, Drake & Gabel, . . .	1	Good,	None.	-
Standard Rubber Co., . . .	1	Good,	None (near office).	-
Standard Rubber Co., . . .	1	Good,	None.	-
Bouvé & Crawford, . . .	1	Good,	None (dummy in factory No. 2).	-
Bouvé & Crawford, . . .	1	Good,	None (factory No. 1).	-
A. M. Herod, . . .	1	Good,	None.	-
Foxborough.				
Caton Bros., . . .	1	Good,	None.	-
A. F. Bemis Hat Co., . . .	1	Good,	None.	-
A. F. Bemis Hat Co., . . .	1	Bad,	Repair device, . . .	Complied.
Inman & Kimball, . . .	1	Good,	None.	-
Mark A. Torrey Co., . . .	1	Bad,	Repair device, . . .	Complied.
Foxborough Foundry, . . .	1	Good,	None.	-
V. S. Pond & Co., . . .	1	Bad,	Repair device, . . .	Complied.
Hanover.				
N. V. Goodrich & Co., . . .	1	Good,	None.	-
E. H. Clapp Rubber Co., . . .	1	Good,	None (inside hoistway).	-
E. H. Clapp Rubber Co., . . .	1	Good,	None (inside hoistway), Pembroke.	-
Hanson.				
John Foster, . . .	1	Good,	None.	-
E. Phillips & Son, . . .	1	Good,	None.	-
Hingham.				
Burr, Brown & Co., . . .	1	Good,	None (inside hoistway).	-
Shawmut Manufacturing Co., . . .	1	Good,	None.	-
Hingham Cordage Co., . . .	1	Good,	None.	-
A. J. Sprague, . . .	1	Good,	None (inside steam hoist).	-
A. J. Sprague, . . .	1	Good,	None (inside hoistway).	-
Tower Toy Co., . . .	1	Good,	None (inside hoistway).	-
Holbrook.				
The Holbrook Paper Box Co., . . .	1	Good,	None.	-
Thomas White & Co., . . .	1	Good,	None.	-
E. N. Thayer, . . .	1	Good,	None (inside hoistway).	-
Hyde Park.				
Chas. A. Hause, . . .	1	Good,	None (outside hoistway).	-
John Johnson, . . .	1	Good,	None (hoist on carriage run).	-
B. B. & R. Knight, . . .	1	Good,	None (No. 1).	-
B. B. & R. Knight, . . .	1	Good,	None (No. 2).	-
B. B. & R. Knight, . . .	1	Good,	None (largest).	-

Report of Elevators Inspected—Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Kingston.				
Cobb & Drew,	1	Good,	None (rivet department).	-
Cobb & Drew,	1	Good,	None (tack department).	-
Ed. P. Hurd,	1	Good,	None.	-
Norfolk.				
City Mills Co.,	1	Good,	None (outside hoistway).	-
Norwood.				
H. M. Plymton & Co.,	1	Bad,	Repair device,	Complied.
Plymouth.				
Plymouth Woolen Co.,	1	Good,	None (inside hoistway).	-
Plymouth Woolen Co.,	1	Good,	None (small inside hoistway).	-
Ripley & Bartlett,	1	Good,	None (inside hoistway).	-
Travis Brothers Shoe Co.,	1	Good,	None (dummy).	-
Mason Machine Works,	1	Good,	None (inside hoistway).	-
Bradford Joint Co.,	1	Good,	None (inside hoistway).	-
Bradford Joint Co.,	1	Good,	None (inside hoistway).	-
Edes Manufacturing Co.,	1	Good,	None.	-
Plymouth Foundry Co.,	1	Good,	None.	-
Plymouth Foundry Co.,	1	Good,	None.	-
Plymouth Foundry Co.,	1	Good,	None.	-
Plymouth Woolen & Cotton Factory.	1	Good,	None (Lap elevator).	-
Russell Mills,	1	Good,	None.	-
Plymouth Cordage Co.,	1	Good,	None (large).	-
Plymouth Cordage Co.,	1	Good,	None (small).	-
M. H. Ryder & Co.,	1	Good,	None (dummy).	-
Plymouth Mills,	1	Good,	None (small).	-
Plymouth Mills,	1	Good,	None (largest).	-
Plymouth Mills,	1	Good,	None (Morse clutch).	-
Atlas Tack Corporation,	1	Good,	None (shipping room).	-
Atlas Tack Corporation,	1	Good,	None (lower).	-
Randolph.				
Chas. Doughty,	1	Good,	None.	-
Piper, Cottle & Co.,	1	Good,	None.	-
John Peach,	1	Bad,	Repair safety device,	Complied.
Rockland.				
Geo. W. Hall,	1	Good,	None.	-
Chipman, Calley & Co.,	1	Good,	None.	-
The Rockland Co.,	1	Good,	None (inside hoistway).	-
C. E. Lane,	1	Good,	None (windlass).	-
French, Shriner & Urner,	1	Good,	None.	-
Henry D. Smith & Co.,	1	Good,	None.	-
Wright & Richards,	1	Good,	None.	-
John Spence & Co.,	1	Good,	None.	-
Deane, Chase & Co.,	1	Good,	None (outside hoistway).	-
Heckman, Bisell & Co.,	1	Good,	None (inside hoistway).	-
F. E. Nesmith & Co.,	1	Good,	None.	-
Sharon.				
G. R. & W. R. Mann,	1	Good,	None.	-
G. R. & W. R. Mann,	1	Good,	None (crane hoist).	-
Stoughton.				
J. & H. Fitzpatrick,	1	Good,	None.	-
Geo. E. Belcher,	1	Good,	None.	-
Wallace, Elliott & Co.,	1	Good,	None.	-
Charles Tenny,	1	Good,	None.	-
Stoughton Rubber Co.,	1	Good,	None (dummy.)	-
J. G. Phinney Counter Co.,	1	Good,	None.	-
French & Ward,	1	Good,	None (outside hoistway).	-
French & Ward,	1	Good,	None (dummy).	-
French & Ward,	1	Good,	None (dummy in lower mill).	-
French & Ward,	1	Good,	None (outside hoist, lower mill).	-
Chas. Stretton & Sons,	1	Good,	None (dummy).	-

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Walpole.				
F. W. Bird & Son,	1	Good,	None.	-
Union Sand Paper & Emery Wheel Co.	1	Good,	None.	-
Bradford, Lewis & Son, . . .	1	Good,	None.	-
Bradford, Lewis & Son, . . .	1	Good,	None.	-
Walpole Dye & Chemical Co., .	1	Good,	None (No. 2).	-
Walpole Dye & Chemical Co., .	1	Good,	None (No. 7).	-
Weymouth.				
John E. Mann,	1	Good,	None.	-
Weymouth Light & Power Co., .	1	Good,	None (outside hoistway).	-
Marshall C. Dizer & Co., . . .	1	Good,	None.	-
Marshall C. Dizer & Co., . . .	1	Good,	None (tannery).	-
Silas H. Sherman,	1	Good,	None (inside hoistway).	-
Edwin Clapp,	1	Good,	None.	-
Strong & Carroll,	1	Good,	None.	-
M. Sheehy & Co.,	1	Good,	None.	-
Cook, Sterling & Co.,	1	Good,	None (dummy).	-
Geo. H. Bicknell,	1	Good,	None.	-
How & French,	1	Good,	None.	-
Whitman.				
T. A. Whitcher & Co.,	1	Good,	None.	-
Smith & Houghton,	1	Good,	None.	-
Atwood Brothers,	1	Good,	None.	-
Perkins, Jones & Co.,	1	Good,	None.	-
The Atlas Tack Corporation, . .	1	Bad,	Repair safety device,	Complied.
The Atlas Tack Corporation, . .	1	Good,	None.	-
Whitman Shoe Co.,	1	Good,	None.	-
D. B. Gurney,	1	Good,	None.	-
Jenkins Brothers,	1	Good,	None (inside hoistway).	-
Commonwealth Shoe and Leather Co.	1	Good,	None (factory No. 1).	-
Commonwealth Shoe and Leather Co.	1	Bad,	Repair device (factory No. 2).	Complied.
Commonwealth Shoe and Leather Co.	1	Good,	None (small in No. 2).	-
Commonwealth Shoe and Leather Co.	1	Bad,	Repair device (factory No. 3).	Complied.

REPORT OF INSPECTRESS FANNY B. AMES.

DEAR SIR:—The disturbances that have characterized the industries of the State during the past year have more or less affected the work of inspection. In most of our manufacturing regions where mills were not shut down entirely during the first half of the year, they ran but eight hours a day for three days of the week, and with but a part of the usual number of persons employed.

Boston, as the seat of numerous industries, suffered in the general collapse more than any other region. During January, with your approval, Messrs. Mullen, Griffin, Halstrick and myself gave such assistance as we could to the city relief committee having in charge the registration of unemployed women applying for work at the rooms opened on Bedford Street. We took the names of women who reported as trade workers, and the shop, store or factory which they gave as the place of previous employment. We then inspected the place, and made a report to the committee, based on the following questions:—

Name of firm and address?

Usual number of workers?

Number now employed?

If shut down, when will shop open?

How many will you take on?

Can you give this woman work?

In some instances false addresses had been given; in others, no such person as the applicant was on the pay roll; in others, the cause of discharge was for reported personal misconduct,—but in the majority of cases the employer was in similar plight with the employed. In several instances the employer, being made acquainted with the need of the former employee, offered to make a place for her.

More than one workshop or factory was carried on during the hard times simply to keep old and regular employees from joining the “ranks of the unemployed.” One manufacturer, who had received indemnity for damages to his establishment, used the considerable sum so obtained to keep open his shop, where over one hundred women were at work. A great dry-goods house offered to take any persons applying, who reported themselves as having ever been in its service.

In nearly every kind of manufactures there are seasons when extra hands are in demand, to be discharged after a few days or weeks. This floating class are less skilled than regular workers,

perform the lighter and subordinate parts and receive less pay. They go from one shop to another as the season and work changes, and are often out of work for long periods. The inquiries of the inspectors, made on behalf of the relief committee, showed that a large number of the applicants for work were of this class. Among regular workers, the women employed in the cordage works (which, with the exception of the Pearson Cordage Co., were closed most of the winter and spring) and tailoresses were by far the larger number.

Work of Children. — During the period of business depression, children under sixteen have been the first to be dismissed; and it has been my experience to find many less employed than usual. At all times, though children having reached the age of thirteen may work in factories and mercantile houses, the certificate requirements for them are such as to discourage their employment. In many shops and stores "none under sixteen" is coming to be the rule. A noticeable exception is in the great "department stores" of Boston and our larger cities. In spite of various mechanical devices, cash and bundle boys and girls are still found convenient and profitable. The moral and physical exposure of these children is great. All possible guards to health and morals should be thrown around them. In my estimation, none would be more effective than raising the age of employment. The work in which they are engaged is not valuable as discipline of body or mind, and often their worst qualities are continually called out by the irritable exactions of customers, salespeople and floor-walkers. At present children in factories are better protected in hours of labor, proper meal times, and regulations for ventilation of places of employment. No restriction is put upon the work of adults in mercantile employment; and children may be employed sixty hours a week, and till ten o'clock at night, provided they have begun work at such an hour as not to make more than a ten hours' day. They may be hindered from leaving the place of work at meal times, and compelled as many are, to eat in cellars or dark basements, and spend the period of mid-day rest in these dismal places, which often are the corridors opening upon the system of water-closets. The thoughtful and considerate employer, I hasten to say, is not wanting, who furnishes light, airy and clean dining and waiting rooms. Still, the other is a possible and actual state of affairs.

Hours of Labor. — The effect of the industrial collapse has been to contract the hours of labor far within the legal limit, and naturally there have been few violations of the fifty-eight-hour law. In the branches of work where seasons prevail, such as straw braiding, fur sewing, millinery and dressmaking, and where piece

work is the rule, many women feel wronged by the fifty-eight-hour law, which prevents their earning extra pay for extra work, at times when business is brisk, since in any case they can only work at these trades for a few months in the year. Still, it should be said that many accommodate themselves to the exigencies of the situation by having two or three trades, and turning from one to another; and most women are gratified by obtaining shorter hours, while still others consider the general gain made for labor worth any sheer of hardship they may be called upon to endure.

Summary:—My four years as inspector gives me assurance as to the general high character of workers and employers in Massachusetts. I often find employers who are doing more than the law requires, and not needing to be compelled by legal enactment to do their duty. The majority of the violations reported appear to be the result of ignorance or preoccupation, and simply to point out the delinquency ensures compliance.

It is also true that the general high tone of the working women of Massachusetts is one of the hopeful signs of a social condition full of promise. If one stands at an early hour in any of the railway stations of Boston, and sees the men and women coming from suburban homes to their work in shops, stores or offices, he can but rejoice at their generally happy, healthy and intelligent appearance. These represent the people who most thoroughly realize their citizenship in a country which is their own.

In the mill towns, filled with recent immigrants, or in the crowded parts of our cities, when newly arrived foreigners congregate, or in those trades where workers have hardly become Americanized, the condition is less satisfactory; the people are smaller in size, less healthy, duller in aspect, more sordid, less clean, and often sullen and half savage in appearance; but it is not to be doubted that forces are at work in the community which will ultimately raise the most lowly of these to the ranks of self-respecting, competent and virtuous citizenship. The work of the inspector grows in dignity by becoming one of these forces; and by carrying into every place where labor is employed the declared conscience of the community that the safety, the decency, the health of all working men, women and children are part of the public welfare.

SPECIAL DUTY,

FANNY B. AMES, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14. 14 to 16.			
CHELSEA.							
A. L. Haskell & Co.,	Bedding,	10	7	—	Good,	None,	—
Circular Loom Co.,	Wire covering,	8	43	—	Fair,	None,	—
Martin Bros. Manufacturing Co., Department B.	Webbing,	10	62	—	Good,	None,	—
Martin Bros. Manufacturing Co., Department A.	Webbing,	15	160	—	Good,	None,	—
H. C. Starkey & Son,	Braids,	3	9	—	Good,	None,	—
Hub Gore Co.,	Shoe elastic,	55	30	—	Good,	None,	—
American Fire Hose Co.,	Hose covering,	9	6	—	Good,	None,	—
Wm. F. Cardy & Sons,	Boxes,	5	25	—	Good,	None,	—
Forbes Lithographic Works,	Lithographing,	375	75	17	Good,	None,	—
I. W. Emerson,	Mercantile,	2	4	—	Good,	None,	—
I. W. Bennett,	Mercantile,	4	6	1	—*	Not to employ minors more than ten hours daily.	Complied.
E. J. Brown & Co.,	Mercantile,	3	8	—	—*	None,	—
F. M. Hartley,	Mercantile,	2	3	—	Good,	None,	—
M. E. Rice,	Mercantile,	7	11	—	Good,	None,	—
Heustin's Laundry,	Laundry,	1	13	—	Fair,	Furnish ironers' seats,	Complied.
CAMBRIDGE.							
La Breque,	Millinery,	1	8	1	Good,	Procure certificate,	Complied.

E. R. Cornish,	Millinery,	1	5	-	Good,	Post time tables; observe fifty-eight-hour law.	Complied.
V. S. Taylor,	Millinery,	-	4	-	Good,	Observe fifty-eight hour law,	Complied.
D. W. Hyde,	Mercantile,	2	1	-	Good,	Procure certificate,	Complied.
J. H. Corcoran,	Mercantile,	4	12	-	-*	None,	-
Reversible Collar Co.,	Collars, etc.,	60	35	-	-*	None,	-
The Hayward Confectionery Co.,	Candy,	15	11	-	Good,	None,	-
Harvard Printing Co.,	Printing,	17	6	-	Good,	None,	-
W. H. Lockport,	Undertaking,	66	14	-	Good,	None,	-
American Net and Twine Co.,	Nets and twine,	20	175	-	Good,	None,	-
Seavey Manufacturing Co.,	Tin ware,	60	28	-	Good,	None,	-
Lewis R. Speare,	Laundry,	24	63	-	Good,	Put in seats,	-
David Wilcox & Co.,	Hats,	10	40	-	-*	Post time tables,	Complied.
Tuxedo Manufacturing Co.,	Washing powder,	3	3	-	Good,	Designate closets,	Complied.
Gen Manufacturing Co.,	Soaps,	34	3	-	Good,	None,	Complied.
R. H. Leach,	Candy,	5	3	-	Bad,	Clean cellars,	-
D. M. Hazen & Sons,	Candy,	25	50	-	-*	None,	-
Henry Thayer & Co.,	Chemicals,	50	50	-	-*	None,	-
Sylvester Tower,	Piano action,	125	25	-	Good,	None,	-
Mason & Hamlin,	Piano action,	206	4	-	-*	None,	-
A. & E. Burton & Co.,	Brushes,	18	14	-	Good,	None,	-
Charles Place,	Paper boxes,	24	139	-	-*	None,	-
BOSTON.							
Boston Wrapper Manuf'g Co.,	Wrappers,	3	15	-	Good,	None,	-
Pearson's Cordage Works,	Cordage,	470	206	1	-*	None,	-
D. Wilcox & Co.,	Hats,	30	30	-	Good,	None,	-
De L. Shepley & Co.,	Hats,	25	75	-	-*	None,	-
Whittemore & Bros.,	Blacking,	8	30	-	Good,	Post legal time tables,	Complied.
Ross & Turner,	Twine,	45	80	-	Good,	None,	-

* Excellent.

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		NUMBER EMPLOYED.		Under 14.			
		Males.	Females.				
BOSTON — Continued.							
Lamson & Hubbard,	Hats and furs,	10	20	—	Good,	None,	—
Youth's Companion,	Publishing,	214	215	1	Good,	None,	—
Carter & Dinsmore,	Inks, etc.,	30	17	—	Good,	Ventilate ink room,	Complied.
Wm. H. Knight,	Bookbinding,	3	1	—	Good,	None,	—
Abram French & Co.,	China,	40	15	—	Good,	None,	—
Boston Mailing Co.,	Binding, etc.,	27	126	4	Good,	Get four certificates,	Complied.
Henry A. Turner & Co.,	Upholstery,	30	10	—	Good,	None,	—
George Frost & Co.,	Waists, etc.,	16	96	—	—*	None,	—
H. Krikorian,	Candy,	4	17	—	Good,	Designate closets,	—
Eagle Extract Co.,	Extracts,	7	5	1	Good,	None,	—
Bon Marché,	Mercantile,	3	5	—	Good,	None,	—
T. Dalton,	Mercantile,	3	9	—	Bad,	Reported to Board of Health,	—
R. H. White & Co.,	Mercantile,	—	—	120	Good,	None,	—
Horace Partridge & Co.,	Mercantile,	14	6	—	Good,	None,	—
Winchester, Hunt & Co.,	Mercantile,	7	2	—	Good,	Give women closet,	—
Mrs. M. F. Fiske,	Mercantile,	2	14	—	Good,	None,	—
Mrs. J. J. Grace,	Mercantile,	3	19	—	Good,	None,	—
Noyes Bros.,	Mercantile,	4	17	—	Good,	None,	—
Henry M. Burr & Co.,	Millinery,	—	25	—	Bad,	Ventilate work room,	—†
Lyman, Gibbs & Co.,	Dressmaking,	—	4	—	Good,	None,	—
J. H. Dinner,	Caps,	20	15	2	Poor,	Procure certificate; clean, repair and whitewash closets.	Complied.

Middlesex Manufacturing Co.,	Ladies' wrappers,	2	10	—	Poor,	Clean and designate closet,	Complied.
Plymouth Waist Co.,	Ladies' waists,	5	35	—	Good,	None,	—
Clifton Manufacturing Co.,	Rubber clothing,	12	163	—	Good,	None,	—
Boston Pop-Corn Co.,	Pop-corn,	1	3	—	Poor,	Give women separate closet,	Complied.
Symonds & Poor,	Confectionery,	3	7	1	Good,	None,	—
Bristol Hand Laundry,	Laundry,	6	5	—	Poor,	Repair,	—
Canton Street Laundry,	Laundry,	7	50	—	—*	None,	—
H. Brenner,	Tailoring,	12	5	—	Bad,	Referred to Mr. Plunkett,	—
S. Levine,	Tailoring,	12	7	—	Bad,	Referred to Mr. Plunkett,	—
L. A. Treat,	Fish packing,	17	5	—	Fair,	Give women closet,	Complied.
A. J. Tower,	Rubber clothes,	75	100	—	Good,	None,	—
Roxbury Carpet Works,	Carpets,	400	300	—	Good,	None,	—
M. Rosenfeld,	Ladies' wrappers,	5	40	—	Good,	None,	—
A. G. Cheever,	Paper boxes,	3	8	—	Good,	None,	—
Temple Glove Manuf'g Co.,	Gloves,	6	6	—	Good,	Post hours of labor,	Complied.
J. W. Roberts,	Mercantile,	2	4	—	Fair,	Post time tables; furnish women separate closets.	Complied.
Gross & Strauss,	Mercantile,	10	96	—	Good,	Furnish seats,	Complied.
C. H. Carter,	Mercantile,	3	9	—	Good,	None,	—
B. F. Larrabee,	Mercantile,	40	160	—	Good,	Put seats at centre counter,	Complied.
Jordan & Marsh,	Mercantile, under-wear,	50	48	—	Good,	None,	—
Durrell & Upham,	Mercantile,	14	3	—	Good,	Procure certificate; provide closet for women.	Complied.
R. H. White,	Mercantile, under-wear,	2	20	—	Good,	None,	—
Jordan & Marsh,	Mercantile, shoes,	12	9	—	Good,	None,	—
Jordan & Marsh,	Mercantile, embroidery,	3	14	—	Good,	None,	—
R. H. Stearns,	Mercantile,	43	82	—	Good,	None,	—

* Excellent.

† In process.

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Under 14.					
		Males.	Females.	14 to 16.			
BOSTON — Continued.							
H. W. Downs,	Mercantile,	5	6	—	Good, . . . . .	. . . . .	—
F. B. Toppan,	Mercantile,	5	6	—	—* . . . . .	. . . . .	—
J. C. McCarthy,	Mercantile,	6	5	—	—* . . . . .	. . . . .	—
Simpson & Co.,	Mercantile,	5	2	—	Good, . . . . .	. . . . .	—
Gross & Strauss,	Mercantile,	9	80	—	Good, . . . . .	. . . . .	—
A. Stowell & Co.,	Mercantile,	57	38	1	Good, . . . . .	. . . . .	Complied.
A. S. Adams,	Mercantile,	3	6	—	Fair,	Give women seats and separate closets.	Complied.
Gilechrist & Co.,	Mercantile,	19	39	—	—*	Give women seats; one certificate,	Complied.
Geo. E. Allen,	Mercantile,	4	25	1	—* . . . . .	. . . . .	—
D. Conrad,	Mercantile,	4	10	—	Good, . . . . .	. . . . .	—
S. Cohen & Co.,	Mercantile,	5	25	—	Good, . . . . .	. . . . .	—
Simpson & Co.,	Mercantile,	10	30	—	Good, . . . . .	. . . . .	—
Henry M. Burr & Co.,	Mercantile,	4	15	—	Good, . . . . .	. . . . .	—
Lyman, Gibbs & Co.,	Mercantile,	17	8	1	Good, . . . . .	. . . . .	—
Millinery Bazaar,	Mercantile,	2	10	—	Good, . . . . .	. . . . .	—
Wm. Weinberg,	Mercantile,	2	6	—	Good, . . . . .	. . . . .	—
E. M. Lane,	Mercantile,	1	2	—	Good, . . . . .	. . . . .	—
Filenes,	Mercantile,	25	75	3	—* . . . . .	. . . . .	—
Houghton & Dutton,	Mercantile,	—	10	3	—	Put seats in lace department,	Complied.
Jordan & Marsh,	Mercantile,	—	36	8	—	Put seats in millinery department,	Complied.
H. H. Carter,	Mercantile,	4	12	—	—	Give women separate closet,	Complied.

D. R. Emerson, . . .	Mercantile, . . .	5	54	-	-	Good, . .	None, . .	. . .	. . .	-
Byron C. Bailey, . .	Mercantile, . . .	2	5	-	-	Good, . .	None, . .	. . .	. . .	-
J. E. Homer, . . .	Mercantile, . . .	2	2	-	-	Good, . .	None, . .	. . .	. . .	-
D. S. McDonald, . .	Mercantile, . . .	7	35	-	1	-*	Furnish seats, . .	. . .	. . .	Complied.
Centemerie Glove Store, . .	Mercantile, . . .	1	4	-	-	Good, . .	None, . .	. . .	. . .	-
Chas E. Ford, . . .	Mercantile, . . .	1	4	-	-	Good, . .	None, . .	. . .	. . .	-
T. D. Whitney & Co., . .	Mercantile, . . .	8	16	-	2	Good, . .	None, . .	. . .	. . .	-
A. L. Bearse, . . .	Mercantile, . . .	1	2	-	-	Good, . .	None, . .	. . .	. . .	-
George E. Allen, . .	Mercantile, . . .	5	16	-	1	Good, . .	None, . .	. . .	. . .	-
W. P. Bigelow & Co., . .	Mercantile, . . .	2	5	-	1	Good, . .	None, . .	. . .	. . .	-
J. A. Howard, . . .	Mercantile, . . .	2	5	-	1	Good, . .	None, . .	. . .	. . .	-
Ceiley & Wright, . .	Mercantile, . . .	5	7	-	1	-*	None, . .	. . .	. . .	-
Cobb, Bates & Aldrich, . .	Mercantile, . . .	80	11	-	-	-*	Furnish confectionery counter with seats, . .	. . .	. . .	Complied.
Henry Krey, . . .	Mercantile, . . .	8	26	-	13	Fair, . .	Give saleswomen seats, . .	. . .	. . .	Complied.
Timothy Smith & Co., . .	Mercantile, . . .	9	30	-	-	-*	None, . .	. . .	. . .	-
Isaac Young, . . .	Mercantile, . . .	5	10	-	1	Good, . .	Put in additional seats, . .	. . .	. . .	Complied.
E. W. Clark, . . .	Mercantile, . . .	3	3	-	-	Good, . .	None, . .	. . .	. . .	-
G. H. Longee & Co., . .	Mercantile, . . .	5	4	-	1	Good, . .	None, . .	. . .	. . .	-
Chas E. Lovell, . . .	Mercantile, . . .	2	6	-	-	Good, . .	None, . .	. . .	. . .	-
Parker Bros., . . .	Mercantile, . . .	2	2	-	-	-*	None, . .	. . .	. . .	-
C. L. Perkins, . . .	Mercantile, . . .	9	11	-	-	-*	None, . .	. . .	. . .	-
J. Henry Norcross, . .	Mercantile, . . .	12	40	-	4	Good, . .	Procure school certificates, . .	. . .	. . .	Complied.
J. Henry Norcross, . .	Mercantile, . . .	12	40	-	6	Good, . .	Not to employ minors more than ten hours, . .	. . .	. . .	Complied.
Ballard & Sons, . . .	Dress-making, . .	1	9	-	-	Good, . .	Ventilate work room, . .	. . .	. . .	Complied.
Ballard & Sons, . . .	Tailoring, . . .	3	27	-	-	Good, . .	Designate closets, . .	. . .	. . .	Complied.
F. W. Folsom, . . .	Confectionery, . .	2	2	-	-	Good, . .	Not to employ minors more than ten hours, . .	. . .	. . .	Complied.
Madame Henry, . . .	Dress-making, . .	-	35	-	-	Good, . .	Observe fifty-eight-hour law, . .	. . .	. . .	Complied.

* Excellent.

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
BOSTON — <i>Concluded.</i>									
I. D. Allen,	Mercantile,	2	15	—	1	Good,	Procure certificate; put in seats, insure separate closets for women; not to employ minors more than ten hours.	Complied.	
Massachusetts Boot and Shoe Co.,	Mercantile,	5	10	—	1	Poor,			
American Coöperative Ass'n,	Cigars,	5	1	1	—	Poor,	None,	—	
J. Gryzmisch,	Cigars,	18	6	—	—	Good,			
Ferdinand Abraham,	Cigars,	9	2	—	—	Good,	Give women separate closet,	Complied.	
Frank X. Oberle,	Cigars,	15	5	—	—	Fair,	Give separate closets to women, and clean.		
Boston Cigar and Tobacco Co.,	Cigars,	16	4	—	—	Good,	None,	—	
Electric Cigar Factory,	Cigars,	2	15	—	—	Good,	Designate closets,		
Shepard & Norwell,	Mercantile,	—	—	—	—	—	Put in seats at glove, card, handkerchief, perfumery and small ware counters.	Complied.	
B. F. Larrabee,	Mercantile,	—	—	—	—	—	Dismiss minors after ten hours' work.	Complied.	
Hollander, Bradshaw & Folsom,	Mercantile,	—	—	—	—	—	Put in seats behind counters on first floor.	Complied.	
H. L. Diman & Co.,	Mercantile,	2	4	—	—	Good,	None,	—	
J. M. Sullivan,	Mercantile,	2	4	—	1	Good,	None,	—	
J. F. & W. H. Falvey,	Mercantile,	9	16	—	1	*—	None,	—	
Torrey & Murphy,	Mercantile,	3	2	—	—	Good,	None,	—	

B. Eldridge,	Mercantile,	4	7	—	1	Good,	Put in seats for women; procure certificate; give women separate closet.	—
Robertson & Anderson,	Mercantile,	1	4	—	1	Good,	None,	—
Wm. Shankland,	Mercantile,	1	3	—	1	Good,	None,	—
Rachel Isaacs,	Mercantile,	1	3	—	—	Fair,	None,	—
M. E. Lee,	Mercantile,	2	8	—	—	Good,	None,	—
CHARLESTOWN.								
Nash Manufacturing Co.,	Novelties,	4	5	—	—	Good,	None,	—
Stickney & Poor,	Spices,	25	25	—	—	Good,	None,	—
Barrett's Dye House,	Dying,	15	35	—	—	Good,	None,	—
L. Wing & Co.,	Photographic materials,	5	2	—	—	Good,	None,	—
Waverly Magazine,	Printing,	4	12	—	—	Good,	None,	—
New England Baking Co.,	Baking,	46	70	—	—	Good,	None,	—
ABINGTON.								
Cobb & Thompson,	Shoes,	47	16	—	—	Good,	Put in seats for women,	—
W. S. O'Brien,	Heels,	14	9	—	1	Fair,	Procure one certificate,	—
Kent & Bryant,	Overalls, etc.,	5	6	—	—	Good,	Give women closet,	—
King Bros.,	Shoes,	28	12	—	1	Good,	Procure one certificate,	—
Abington Tack and Machine Co.,	Tacks,	23	3	—	—	Good,	None,	—
Abington Shoe Manuf'g Co.,	Shoes,	23	2	—	—	Good,	None,	—
E. S. Sprague & Co.,	Shoes,	13	9	—	—	Good,	None,	—
M. N. Arnold & Co.,	Shoes,	350	90	—	—	Poor,	Put in additional closets, and clean,	—
W. E. Lyon,	Shoes,	28	6	—	—	Fair,	None,	—
L. A. Crosett,	Shoes,	105	42	—	1	* —	None,	—

* Excellent.

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.					
		Under 14.	14 to 16.						
WORCESTER.									
Wm. Hyland, . . .	Mattresses, . . .	24	11	—	—	Good, .	None, .	—	
Denholm, McKay & Co., . .	Mercantile, . . .	122	68	—	10	Good, .	Verbal order to ventilate millinery room ; repairs going on, no written order issued.	—	
Milliken & Newton, . . .	Book-binding, . . .	6	3	—	1	Good, .	None, .	—	
Macullar Sons, . . .	Tailoring, . . .	6	3	—	—	Good, .	None, .	—	
Western Union Telegraph Co., .	Telegraphy, . . .	6	3	—	5	Good, .	None, .	—	
Worcester Spy, . . .	Printing, . . .	2	3	—	—	Good, .	None, .	—	
Bay State Shoe Co., . . .	Shoes, . . .	122	75	—	—	Good, .	None, .	—	
Goddard Shoe Co., . . .	Shoes, . . .	335	65	—	4	Good, .	None, .	—	
SANDWICH.									
A. V. Johnson, . . .	Decorating lamp-shades.	7	7	—	—	Fair, .	None, .	—	
A. V. Johnson, . . .	Cementing lamps,	7	5	—	—	Fair, .	Post fifty-eight-hour-law ; furnish seats.	Complied.	
Sandwich Card and Tag Co., . .	Cards and tags, . .	2	2	—	—	—*	None, .	—	
Union Braiding Co., . . .	Cords and braid, . .	3	5	—	—	—*	None, .	—	
THREE RIVERS.									
Otis Manufacturing Co, . . .	Fancy cottons, . .	369	188	—	30	—*	None, .	—	

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Females.		Under 14.	14 to 16.				
		Males.							
SPRINGFIELD — <i>Concluded.</i>									
Smith & Murray,	Millinery,	—	10	—	—	Good,	Observe fifty-eight-hour law, . .	—	
D. H. Brigham,	Mercantile,	7	18	—	—	Good,	None,	—	
D. H. Brigham,	Cloaks,	1	9	—	—	Good,	Observe and post fifty-eight-hour law.	—	
Meekin & Packard,	Mercantile,	78	22	—	3	— *	Procure one school certificate, . .	—	
Meekin & Packard,	Carpets,	17	12	—	—	— *	Post fifty-eight-hour law,	—	
A. N. Mayo,	Paper stock,	12	24	—	—	Poor,	Give women seats; post time table; designate closet.	—	
HOLYOKE.									
Mrs. W. D. Higgins,	Millinery,	—	3	—	—	Good,	Observe fifty-eight-hour law in manufacturing room.	Complied.	
McAuslan & Wakelin,	Mercantile,	10	14	—	2	Good,	Observe sixty-hour law; get certificates.	Complied.	
A. F. Richards,	Mercantile,	8	5	—	—	Good,	None,	—	
James M. Clark,	Mercantile,	4	7	—	—	Good,	None,	—	
Dickinson & Co.,	Mercantile,	9	14	—	—	Good,	None,	—	
Dickinson & Co.,	Millinery,	—	5	—	—	Good,	Observe fifty-eight-hour law; post time table.	Complied.	
Ferguson & Co.,	Mercantile,	4	12	—	—	Good,	None,	—	
H. W. Atherton,	Millinery,	1	12	—	—	Good,	Observe fifty-eight-hour law; post time table.	Complied.	

Elite Millinery,	Millinery,	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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* Excellent.

REPORT OF INSPECTRESS MARY E. HALLEY.

DEAR SIR:—In compliance with your expressed desire, I submit my fourth annual report. Having been detailed to Fall River since June 1, I have visited every mill in that city, together with mercantile establishments, printing offices, laundries, etc. Have also made inspections in New Bedford and Taunton.

From the orders that have been sent to you from time to time it is seen that very few are for children's certificates, showing how well the school law is complied with. In my report you will observe that the number of children employed under fourteen years of age does not exceed one hundred. Every year shows a decrease in the number of children in the factories. Whatever tends to keep children for a longer period at school, and away from the harmful physical and moral influence of early labor, must some day result in an improved condition of the wage earner.

According to your instructions, I have given particular attention to the sanitary arrangements in Fall River, and have issued orders to many of the agents for entirely new water-closets, and am greatly pleased at their willingness to comply. In some cases the amounts expended to put in new arrangements reach into the hundreds. It is the desire of the manufacturer, when such orders are received, to put in the most improved appliances, although they sometimes express themselves very regretfully at the carelessness of some of the operatives, who destroy and deface the best closets. The character of the work done in some factories renders it impossible for them to vie with others more favorably situated in keeping their places clean and well ventilated. Acknowledging all this, there is opportunity for improvement in a number of mills here, particularly in regard to closets.

In regard to the weavers' particulars bill, which went into effect August 1, and which you wished looked after very carefully, I cannot give any very satisfactory report. The manufacturers of different mills claim it gives to the public the secret of their business, by such details as chapter 534, section 1, specifies. They have adopted the plan of paying by the pound, and by so doing we cannot enforce weavers' specifications. Out of the many mills I have inspected, only one has complied with that law as it reads on the statutes.

I would state that in performing the duties of this office I have endeavored to treat employer and employee with fairness, to the best of my ability.

SPECIAL DUTY,

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MARY E. HALLEY, *Inspector*,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
HAVERHILL.									
Chick Bros.,	Boots and Shoes, . .	430	170	—	8	Good, . .	Procure two certificates, . .	Complied.	
John Owens,	Paper boxes,	10	20	—	—	Good, . .	None,	—	
Barrows & Crowell,	Stitching room, . . .	2	33	—	—	Good, . .	None,	—	
Spaulding & Sweet,	Boots and shoes, . . .	43	35	—	—	Good, . .	None,	—	
W. W. Spaulding,	Boots and shoes, . . .	305	122	—	5	Good, . .	None,	—	
J. W. Russ,	Boots and shoes, . . .	55	16	—	2	Good, . .	None,	—	
J. H. Connor,	Boots and shoes, . . .	125	50	—	—	Good, . .	None,	—	
Chandler & Moulton,	Counter tops,	18	7	—	—	Good, . .	None,	—	
Field, Thayer & Co.,	Slippers,	266	118	—	—	Good, . .	None,	—	
W. B. Thom & Co.,	Hats,	150	100	—	—	Good, . .	Post hours of labor, . .	Complied.	
C. H. Hayes,	Paper boxes,	31	35	—	—	Good, . .	None,	—	
E. O. Clarke,	Tacks and nails, . . .	11	2	—	2	Good, . .	None,	—	
Stevens' Mill,	Dress goods,	73	50	—	2	Good, . .	None,	—	
Gale Shoe Manufacturing Co., .	Slippers,	75	25	—	—	Good, . .	Post hours of labor, . .	Complied.	
N. F. Gorman,	Boots and shoes, . . .	33	12	—	—	Good, . .	None,	—	
French & Neal,	Heels and soles, . . .	20	8	—	—	Good, . .	None,	—	
Blake Bros.,	Slippers,	25	40	—	—	Good, . .	Post hours of labor, . .	Complied.	
Hodgeson & Johnson,	Boots and shoes, . . .	95	7	—	—	Good, . .	None,	—	
E. C. Miller,	Stitching,	3	25	—	—	Good, . .	None,	—	
Mrs R. M. Holden,	Stitching,	1	19	—	1	Good, . .	None,	—	
A. Currier & Son,	Boots and shoes, . . .	12	3	—	—	Good, . .	Post hours of labor, . .	Complied.	

SPECIAL DUTY, MARY E. HALEY, *Inspector — Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
HAVERHILL — Concluded.								
Poor & Doe,	Trimmings, . . .	3	6	—	—	Good, .	Designate women's closets; post hours of labor.	Complied.
F. T. Gray,	Stitching, . . .	1	15	—	—	Good, .	None,	—
Haverhill Hat Co., . . .	Wool hats, . . .	80	40	—	—	Good, .	—	—
Beal Bros. & Co., . . .	Dyeing and cleaning, . . .	3	3	—	—	Good, .	Post hours of labor,	Complied.
B. W. Hayes,	Dyeing and cleaning, . . .	3	3	—	—	Good, .	Post hours of labor,	Complied.
Haverhill Steam Laundry, . .	Laundry, . . .	1	6	—	—	Good, .	Post hours of labor,	Complied.
M. A. Howe & Co., . . .	Boots and shoes, . .	5	35	—	—	Good, .	Post hours of labor,	Complied.
C. C. Griffin,	Cut soles, . . .	12	2	—	—	Good, .	None,	—
J. H. Durgin,	Shoes, . . .	50	25	—	—	Good, .	None,	—
Henry Merrill,	Stitching, . . .	1	24	—	—	Good, .	None,	—
Hazen Goodrich,	Boots and shoes, . .	77	40	—	1	Good, .	None,	—
P. N. Wadling,	Slippers, . . .	97	12	—	—	Good, .	None,	—
A. J. Tilton,	Boots and shoes, . .	10	37	—	—	Good, .	None,	—
W. P. McLaughlin,	Slippers, . . .	4	2	—	—	Good, .	None,	—
Moody & Hicks,	Boots, . . .	34	2	—	1	Good, .	None,	—
W. H. Woodbury,	Stitching, . . .	4	13	—	1	Good, .	None,	—
Hayes Bros.,	Shoes, . . .	5	11	—	—	Good, .	None,	—
John F. Davis,	Slippers, . . .	7	3	—	—	Good, .	None,	—
W. L. Dow,	Slippers, . . .	40	20	—	—	Good, .	None,	—

Jennie Sanborn,	Slippers,	3	22	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
J. C. Collins,	Stitching,	1	29	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
J. H. Smith,	Boots and shoes,	4	4	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
F. P. Styles,	Printing,	4	1	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
D. T. Dudley,	Slippers,	8	12	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
S. C. Bassett,	Shoes,	4	2	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
J. H. Winchell,	Boots and shoes,	500	300	—	4	Good,	Procure certificate; post hours of labor; designate and put proper fastenings on women's closets.	. . . . .	. . . . .	. . . . .	Complied.
J. F. Currier,	Boots and shoes,	8	4	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Woodman, Howes,	Boots and shoes,	50	15	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Merrimac Laundry,	Laundry,	7	5	—	—	Good,	Post hours of labor,	. . . . .	. . . . .	. . . . .	Complied.
T. J. Evans,	Stitching,	2	15	—	—	Good,	Post hours of labor,	. . . . .	. . . . .	. . . . .	Complied.
L. Johnson & Son,	Slippers,	7	12	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Webster & Tabor,	Boots and shoes,	16	3	—	—	Good,	Provide separate closets for women,	. . . . .	. . . . .	. . . . .	Complied.
F. J. Thompson,	Heel counters,*	9	1	—	2	Good,	Post hours of labor,	. . . . .	. . . . .	. . . . .	—
F. Archibald & Co.,	Slippers,	2	12	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Jennie A. Foster,	Stitching,	2	33	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
W. S. Chase,	Shoes,	35	40	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Lennox & Briggs,	Morocco shop,	72	13	—	2	Fair,	Post hours of labor; procure two certificates.	. . . . .	. . . . .	. . . . .	Complied.
George C. How,	Boots and shoes,	20	10	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
R. C. Miller,	Boots and shoes,	3	27	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
John Corson,	Boots and shoes,	9	2	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
ANDOVER.											
Sagehonner & Byers,	Dress goods,	37	7	—	1	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Tyer Rubber Co.,	Rubber goods,	50	75	2	—	Good,	Procure two certificates,	. . . . .	. . . . .	. . . . .	Complied.
Marland Mill,	Dress goods,	117	110	—	11	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—

SPECIAL DUTY, MARY E. HALLEY, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
GROVELAND.									
Groveland Mills,	Dress goods, .	265	160	—	30	Good, .	Procure certificates,	Complied.	
LOWELL.									
Merrimac Mill,	Cotton cloth, .	1,465	1,295	6	93	Good, .	Procure five certificates; designate closets.	Complied.	
Boott Mill,	Cotton cloth, .	711	1,251	2	41	Good, .	Procure four certificates,	Complied.	
Tremont and Suffolk Mill, . .	Cotton cloth, .	900	1,134	2	96	Good, .	Guard mule heads,	Complied.	
Lawrence Manufacturing Co., .	Hosiery and cotton cloth.	1,308	2,501	7	326	Fair, .	Provide better means of ventilation; put windows in all dark closets.	Complied.	
Hamilton Mill,	Cotton goods, .	1,027	1,223	—	60	Good, .	None,	—	
LEOMINSTER.									
Matthew Winn & Co.,	Combs, .	32	2	—	1	Fair, .	None,	—	
Leominster Shirt Co,	Shirts, .	50	125	—	—	Good, .	Guard gearing on ironers,	Complied.	
Enterprise Printing Co.,	Papers, .	11	2	—	—	Fair, .	Keep closets clean,	Complied.	
E. B. Kingman,	Horn combs, .	87	12	—	4	Good, .	Post hours of labor,	Complied.	
Wachusett Shirt Co,	Shirts, .	29	440	—	1	Good, .	None,	—	
FITCHBURG.									
Beoli Mill,	Dress goods, .	200	200	1	4	Good, .	None,	—	
Parkhill Mill Co.,	Dress goods, .	170	230	—	5	Good, .	Procure certificate,	Complied.	
Symonds Manufacturing Co., .	Machinery, .	52	16	—	—	Good, .	None,	—	

SPECIAL DUTY, MARY E. HALLEY, *Inspectress—Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.			14 to 16.			
		Males.	Females.					
FALL RIVER — Continued.								
Hargraves Mill, No. 2, . . .	Fancy print, . . .	200	153	—	17	Good, . .	Discharge boy twelve years, . .	Complied.
Stevens Manufacturing Co., . .	Counterpanes, . . .	90	30	—	16	Good, . .	Procure two certificates, . .	—
Shove Mills, . . .	Print goods, . . .	325	275	—	42	Good, . .	None, . . .	—
Slade Mill, . . .	Fancy cottons, . . .	215	210	8	33	Fair, . .	Change women's closet to lower weave room.	Complied.
Laurel Lake Mill, . . .	Fine lawns, cotton goods, . . .	168	186	2	33	Good, . .	Procure three certificates, . .	Complied.
Globe Yarn Mill, . . .	Fine yarns, . . .	465	490	5	60	Good, . .	None, . . .	—
Durfee Mills, No. 1 and 2, . . .	Cotton cloth, . . .	232	252	5	38	Good, . .	None, . . .	—
Belmont Manufacturing Co., . .	Twine, . . .	42	78	—	4	Fair, . .	Close closets inside mill, and use those outside.	Complied.
Algonquin Manufacturing Co., . .	Print cloth, . . .	75	8	—	3	Good, . .	None, . . .	—
James Marshall Hat Co., . . .	Hats, . . .	242	269	—	13	Good, . .	None, . . .	—
American Print Works, . . .	Print cloth, . . .	551	82	—	27	Good, . .	None, . . .	—
Esty's Mill, . . .	Yarn, twine, . . .	40	41	—	2	Good, . .	None, . . .	—
Fall River Bleachery, . . .	Bleachery, . . .	185	40	—	17	Good, . .	Box belt in dry room, . .	Complied.
Jesse Eddy Manufacturing Co., . .	Woollen goods, . . .	100	50	—	3	—	Procure three certificates, . .	—
Troy Store, . . .	Dry goods, . . .	30	47	—	7	Good, . .	None, . . .	—
New York Cash Store, . . .	Dry goods, . . .	6	4	—	—	Good, . .	None, . . .	—
Knox & Charlton, . . .	Dry goods, . . .	4	19	—	2	Good, . .	Procure one certificate, . .	—
M. & I. Craitt, . . .	Dry goods, . . .	1	6	—	—	Good, . .	None, . . .	—

SPECIAL DUTY, MARY E HALLEY, *Inspector* -- *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Under 14.			14 to 16.			
		Males.	Females.					
FALL RIVER — <i>Concluded.</i>								
P. D. Davis,	Fancy goods,	4	3	—	Good,	None, . . . . .	. . . . .	—
New York Store,	Dry goods,	4	2	—	Good,	None, . . . . .	. . . . .	—
National Laundry,	Laundry,	6	5	—	Good,	Post time table, . . . . .	. . . . .	—
Barnaby Mill,	Print cloth,	175	73	3	Good,	Procure two certificates; remove urinal from closet in dressing-room.	. . . . .	—
Troy Mill,	Cotton cloth,	177	211	22	Poor,	Provide new water-closets through- out the entire mill.	. . . . .	—
Merchants' Mill, Nos. 1 and 2,	Cotton cloth,	860	450	56	Fair,	Provide new water-closets in No. 1 mill; close up all closets in the tower.	. . . . .	—
Merchants' Mill, No. 3,	Print cloth,	160	140	16	Good,	None, . . . . .	. . . . .	—
Fall River Laundry,	Laundry,	7	10	—	Good,	None, . . . . .	. . . . .	—
Fall River News Co.,	Printing,	32	5	1	Good,	Procure one certificate, . . . . .	. . . . .	Complied.
John M. Dean,	Groceries,	28	2	—	Good,	None, . . . . .	. . . . .	—
Herald Publishing Co.,	Printing,	26	4	1	Good,	None, . . . . .	. . . . .	—
Catholic Advocate Co.,	Printing,	4	1	—	Good,	None, . . . . .	. . . . .	—
Samuel E. Fiske,	Printing,	3	5	1	Good,	Procure one certificate, . . . . .	. . . . .	Complied.
Globe Publishing Co.,	Printing,	56	9	—	Good,	None, . . . . .	. . . . .	—
L. J. Barrett,	Millinery,	—	4	—	Good,	None, . . . . .	. . . . .	—
Nellie Bourgee,	Hair dresser,	—	4	—	Good,	None, . . . . .	. . . . .	—
Union Cotton Mill,	Print cloth,	538	465	74	Good,	None, . . . . .	. . . . .	—

* Recent order.

REPORT OF INSPECTOR GRIFFIN.

SIR:—I most respectfully submit the following report for the year 1894, accompanied with my tabulated statement.

No industry in this State has probably suffered any more from the industrial depression through which the country has just passed than the ready-made clothing trade. The work of this department, instead of being decreased on account of this slackness, as would generally be supposed, has been greatly increased. Women, handy in the use of the needle, who never before were obliged to aid in earning the daily bread of the family, have come in numbers to this office for a license with the hope of being able by it to secure clothing to make at home, until such time as the head of the household could obtain employment. Again, most of the tailor shops have been closed from three to six months, causing many fruitless visits by the inspector.

During the past year I have made 643 tenement inspections. Of this number, 317 have been granted a license, but 13 of them were afterwards revoked for non-compliance with the regulations; 8 have had the temporary license extended, pending improvement; and 318 have been refused a license. Most of these 318 applicants were refused on account of the filthy condition of their apartments or the houses in which they dwelt; and therefore it must be clearly observable that section 44 of the law, compelling private families to procure a license in order to make or finish clothing at home, acts as a preventive in a very great degree; in other words, only for this law there would be hundreds of filthy tenements whose occupants would now be engaged in making or finishing clothing.

The only way to realize the good results of this law is to visit the tenements where the work was formerly done, and contrast them with the places now licensed. Formerly there was not a block, and hardly a tenement-house, wherein trousers were not finished, on North Street between Cross and Commercial streets, and Salem Street between Hanover and Prince streets; the former one of the principal streets in the North End of Boston, containing the tenements of the very poor Italians, and the latter those of the very poor Hebrews. To-day in the same territory there are only two houses licensed to finish clothing, — one in each street. Applications are constantly being made from this quarter, and as constantly being refused.

Many of this class of people know not the meaning of cleanliness or the danger of spreading disease. Here is one instance from many. A woman living on Stillman Street, Boston, applied for a permit to finish trousers at home. On investigation the house

was found to be in a very filthy condition, and a child was sick with scarlet-fever, — had been sick about two weeks. When told that a license could not be given in a house where such a disease existed, she became indignant, claiming that because the child was able to be out of bed, and playing around the house, there was no danger whatever in her finishing trousers there.

This work has been almost entirely taken away from the Hebrew and Italian colonies in this city, and will not be restored unless they learn to keep their homes in a cleanly state. The majority of licenses granted in my district in Boston are to Portuguese women, who, while extremely poor, are as clean as any class of immigrants that come to this country. Living in old buildings, often sorely in need of repair, they keep their apartments as clean as soap and water can make them. Of course there are exceptions to this rule, as there are to all others. This work is a godsend to them, and the beggarly pittance which they receive for it helps to support them during the idle months of their husbands, who are mostly fishermen and longshoremen, having very irregular employment. Many are widows, depending upon this work for the support of themselves and families.

Of the 304 licenses granted this year, the Portuguese have received 104, Italians 36, Hebrews 20; and all but 7 of these people are employed finishing trousers. Other nationalities received 144, and 86 of this number are held by residents of Cape Cod towns, mostly natives, and each family with few exceptions occupying an entire small house, very clean and surrounded with plenty of land and fresh air. Only the women of these families finish trousers, and many of them do so simply to occupy their spare time during the long winter months. The clothing manufacturer delivers the work at their homes, and when finished calls and collects it, so that they are not obliged to leave the house. The remaining 58 who received a license are employed, some finishing trousers and others making wrappers, shirts, overalls, etc. There are also 217 applications on hand, from women in the surrounding country towns, most of whom hold a temporary license, pending inspection, mainly for the purpose of making ladies' rubber garments, wrappers and overalls. There is no danger to be anticipated from this class of home workers, as they are intelligent, have plenty of house-room, none of the slovenly habits of the residents of the poor tenement districts of the city, and are capable of understanding thoroughly the regulations of the license.

Most of the tailor shops in my district are in very good condition, although some could and must be greatly improved. The principal fault with them is carelessness in the storage of ashes and rags,

and in dirty water-closets. While the contractor is to blame for the untidy condition of his shop, he cannot be entirely to blame for the dirty condition of the closets. It is the help that he employs, not he, who create the filth, and they are the very ones who cry loudest against filthy sweatshops. The help that fill some of these shops are naturally dirty in their habits, and it requires constant exertion to compel them to keep decently clean. This is especially so in shops where they make the cheaper grade of trousers, as very many of the finishers are composed of that class which have been refused a license to work at home; working in the shop does not improve their filthy habits.

The remaining factory laws relating to the employment of women and children have been very well observed.

Although I have found garments by the hundred being made in New York tailor shops, I have been unable to discover any in tenement-house shops. The Boston merchants, through their agents or foremen, are now very careful to see that the parties to whom they send their work have regular shops; and the contractors have been taught by them that to send any of their work into tenement-houses means a withdrawal of the merchants' patronage. Differences between the employer and employees in this city have without doubt caused more work to be sent to New York during the past year than formerly, and this has consequently helped to swell the number of unemployed here.

In conclusion, I firmly believe that no State in the Union has its clothing made under any better or healthier conditions than Massachusetts, and that whatever improvements are made in the future cannot be accomplished by leaps and starts, but by the continuous action of fixed laws, all connected, and all working towards a common end.

JOHN E. GRIFFIN, *Inspector.*

REGULAR WORKSHOPS,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.		
Mark Swig.	Coats, .	3	1	—	—	None, .	—
Wolfson & Zimmerman,	Knee pants, .	12	4	—	—	None, .	—
Hoffman Bros., .	Vests, .	5	2	—	—	Post time table, .	Complied.
Jos. Scheinfelt,	Vests, .	3	—	—	—	None, .	—
Co-operative Tailoring Co.,	Trousers, .	8	8	—	—	None, .	—
Simon Levingson,	Coats, .	13	10	—	—	None, .	—
E. Reisman, .	Repairing and making clothing	1	1	—	—	Post time table, .	Complied.
S. Steinberg,	Trousers, .	5	8	—	—	None, .	—
Wheeler Manufacturing Co.,	Ladies' waists and aprons, etc.	4	34	—	—	Post time table, .	Complied.
Philip Lavine, .	Knee pants, .	5	5	—	1	Obtain certificate for minor; post time table.	Complied.
Louis Levi, .	Trousers, .	3	14	—	—	Post time table, .	Complied.
Simon H. Levi, .	Coats, .	13	5	—	—	Post time table, .	Complied.
Smith & Weinstein, .	Trousers, .	3	2	—	—	Clean workshop and water-closet; post time table; supply another water-closet	Complied.
Hoffman Bros., .	Vests, .	9	4	—	—	Clean shop, water-closet, entry and stairway; supply another water-closet.	Complied.

B. Goldstein,	.	.	.	Trousers,	.	6	4	—	—	Bad,	.	Clean shop, water-closet, entry and stairway; supply another water-closet; post time table.	Complied.
Michael Rosenthal,	.	.	.	Trousers,	.	8	1	—	—	Bad,	.	Clean shop, water-closet, entry and stairway; supply another closet; post time table.	Complied.
Louis Cohen,	.	.	.	Coats,	.	9	9	—	—	Bad,	.	Clean shop, water-closet, entry and stairway; supply another water-closet.	Complied.
C. Nardini,	.	.	.	Custom clothing,	.	6	6	—	—	Poor,	.	Supply water-closet,	Complied.
M. Swig,	.	.	.	Coats,	.	3	4	—	—	Poor,	.	Clean workshop; post time table,	Complied.
Goldstein & Hoffman,	.	.	.	Coats,	.	4	2	—	—	Poor,	.	Clean workshop; post time table,	Complied.
Bourski & Birnbaum,	.	.	.	Trousers,	.	4	5	—	—	Fair,	.	Post time table,	Complied.
Leopold Borovski,	.	.	.	Coats,	.	11	7	—	2	Poor,	.	Post time table; supply water-closet; obtain certificate for minors.	*—
Jacob Shannahofski,	.	.	.	Vests,	.	5	10	—	1	Poor,	.	Obtain certificate for minors; keep shop clean.	Complied.
Louis Bloom,	.	.	.	Trousers,	.	6	10	—	—	Fair,	.	None,	—
Hauber & Freed,	.	.	.	Trousers,	.	7	5	—	—	Fair,	.	None,	—
Levi Bros,	.	.	.	Coats,	.	5	8	—	—	Fair,	.	None,	—
Feinberg & Frankel,	.	.	.	Ladies' wrappers,	.	4	19	—	—	Fair,	.	None,	—
Marks Hurwitz,	.	.	.	Ladies' wrappers,	.	1	6	—	—	Fair,	.	None,	—
Zimmerman & Davis,	.	.	.	Trousers,	.	17	6	—	—	Fair,	.	Obtain certificate for illiterate minor,	Complied.
B. Wolfson,	.	.	.	Knee pants,	.	5	1	—	—	Fair,	.	None,	—
Wolf Berman,	.	.	.	Clothing,	.	3	4	—	—	Fair,	.	None,	—
Jos. Fredericks,	.	.	.	Coats,	.	13	9	—	—	Fair,	.	None,	—
L. Cohen,	.	.	.	Coats,	.	13	6	—	—	Fair,	.	Obtain certificate for illiterate minor,	Complied.
Myer Witcofski,	.	.	.	Ladies' custom garments,	.	3	2	—	1	Fair,	.	Obtain certificate for minor,	Complied.

* In process.

REGULAR WORKSHOPS — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.		
Roger Pesa,	Coats,	14	10	—	1	Good,	Complied.
Keshenofski & Gurin,	Knee pants,	5	6	—	1	Fair,	Complied.
J. H. Stone,	Trousers,	13	16	—	—	Fair,	—
I. Cohen,	Trousers,	11	5	—	—	Fair,	—
M. Yeretaki,	Coats,	15	5	—	1	Fair,	Complied.
Israel Levi,	Trousers,	3	11	—	—	Obtain certificate for minor,	—
James Murray,	Trousers,	8	25	—	—	Obtain certificate for minor,	—
R. L. Videtto,	Vests,	1	14	—	—	Obtain certificate for minor,	—
A. Jacobs,	Coats and trousers,	7	16	—	—	Obtain certificate for minor,	Complied.
Janosky & Calish,	Coats,	20	8	—	—	Obtain certificate for minor,	—
J. Hemmerding,	Knee pants,	12	15	—	—	Obtain certificate for minor,	—
J. Comisky & Co.,	Coats,	20	7	—	—	Obtain certificate for minor,	—
A. Katedsky,	Coats,	5	10	—	1	Obtain certificate for minor,	Complied.
A. Bloom,	Coats,	16	12	—	—	Obtain certificate for minor,	Complied.
Frank Dimase,	Coats,	15	10	—	4	Guard shafting,	—
Rhotberg & Goldstein,	Trousers,	9	5	—	—	None,	—
David Katofsky,	Trousers,	8	6	—	—	None,	—
Maurice Feinstein,	Trousers,	8	8	—	—	None,	—
Henry Finklestein,	Trousers,	6	2	—	—	Post time table,	Complied.
M. Goldberg,	Trousers,	17	10	—	—	Post time table,	—
J. Freedman,	Trousers,	7	4	—	—	None,	—
Mrs. C. E. Davis,	Vests,	—	5	—	—	None,	—
						Good,	—

Thomas Griffiths,	Vests,	.	.	2	18	—	—	Good,	None,	.	.	.	Compld.
Emma McCarthy,	Vests,	.	.	—	10	—	—	Fair,	Post time table,	.	.	.	Compld.
Edgar B. Whitten,	Vests,	.	.	1	26	—	—	Good,	Post time table,	.	.	.	Compld.
Mary N. McKie,	Vests,	.	.	—	11	—	—	Fair,	Post time table,	.	.	.	Compld.
Mrs. Eliot,	Vests,	.	.	—	16	—	—	Good,	Post time table,	.	.	.	Compld.
J. Shulman,	Coats,	.	.	21	11	—	—	Fair,	None,	.	.	.	—
Harris Bojarski,	Trousers,	.	.	6	6	—	—	Fair,	Post time table,	.	.	.	Compld.
F. Bruno,	Coats,	.	.	17	6	—	—	Poor,	Clean water-closet; post time table,	.	.	.	Compld.
Samuel Rosnosky,	Clothing,	.	.	1	4	—	—	Fair,	None,	.	.	.	—
S. Goldman,	Coats,	.	.	18	11	—	—	1 Fair,	Clean and designate water-closet; obtain certificate for minor.	.	.	.	Compld.
Wm. Messing,	Coats,	.	.	11	13	—	—	1 Fair,	None,	.	.	.	—
L. Daniels,	Coats,	.	.	13	7	—	—	Fair,	None,	.	.	.	—
D. Marks,	Coats,	.	.	18	17	—	—	Fair,	None,	.	.	.	—
Cohen & Youski,	Coats,	.	.	17	11	—	—	Fair,	Post time table,	.	.	.	Compld.
Cohen & Penish,	Coats,	.	.	14	11	—	—	Fair,	None,	.	.	.	—
C. G. Kellogg & Co.,	Coats,	.	.	16	6	—	—	Fair,	Post time table,	.	.	.	Compld.
L. Goldman,	Coats,	.	.	23	16	—	—	Fair,	Post time table,	.	.	.	Compld.
D. Wuoti,	Coats,	.	.	7	5	—	—	Fair,	None,	.	.	.	—
J. Scolpeneti,	Coats,	.	.	16	8	—	—	Fair,	None,	.	.	.	—
A. Kowalsky,	Coats,	.	.	17	6	—	—	Bad,	Post time table; supply water-closet; keep workshop clean.	.	.	.	—
M. Barronick,	Coats,	.	.	13	4	—	—	Fair,	Post time table,	.	.	.	Compld.
Wenners Bros.,	Custom clothing,	.	.	9	6	—	—	Poor,	Supply water-closet,	.	.	.	—
A. Balkan,	Coats,	.	.	19	16	—	—	Fair,	Post time table,	.	.	.	Compld.
John Podolski,	Coats,	.	.	26	9	—	—	Fair,	Post time table,	.	.	.	Compld.
H. Levi,	Coats,	.	.	55	25	—	—	Good,	None,	.	.	.	—
A. Clark,	Coats,	.	.	16	14	—	—	Fair,	None,	.	.	.	—

* In process.

REPORT OF INSPECTOR PLUNKETT.

SIR:—In reporting to you the result of my labors for the year closing, I submit a few comments, gleaned while in the performance of my duties.

I am pleased to state that the enforcement of sections 44 to 48, chapter 508 of the Public Statutes, which relate to the manufacture of clothing in tenement-houses, has accomplished the results sought for by the enactment. With regard to that portion of section 44 which requires that a license be obtained for the purpose of making clothing at home, greater difficulty has been experienced in its enforcement, and I have been obliged to enter criminal proceedings against four employers for violations of this part of the law. Two of these prosecutions resulted in acquittals, due to the adverse testimony of two of the government witnesses, the story which they told to the inspector and their testimony at the trial being quite contrary. This difficulty is liable to occur in the trial of these cases, where the witnesses upon whom we have to depend are generally of the same nationality, very ignorant, and who are or have been in the employ of the person on trial.

A great improvement of the conditions under which this work was formerly done is, however, noted. Before the passage of this law clothing could be found undergoing some process of making in the worst and most filthy tenement-houses in the district. Not alone the filthy and overcrowded condition of some of these places, but the ignorance existing among this class of the danger from contagious and infectious disease, arising from clothing being made under these conditions, caused this method of manufacturing to become a menace to the public health.

When the license clause of the law first went into effect a large majority of the applicants for license were from among this class, and were principally composed of Italians, Polish Jews and Portuguese, who were principally engaged in "finishing," or doing the hand-sewing, on trousers. A decrease in the number of persons thus employed is, however, noted; of the total number of licenses granted (289), only 189 are held by persons engaged in this occupation. Their apportionment among the different nationalities shows best the results accomplished by the enforcement of this law, and is as follows: Italians, 20; Polish Jews, 58; Portuguese, 70; all other nationalities, 41, — which includes residents of the smaller cities and towns in the district, and whose mode of living is all that could be desired. The remainder of the licenses granted are issued to persons engaged in making other articles of wearing apparel, including shirts, overalls, ladies' wrappers, children's

dressess, gloves and mackintosh garments. These occupations require the use of a sewing-machine, and generally attract a more intelligent body of home workers, who are principally Americans, and who fully comprehend the intent and value of this law.

During the year, 592 inspections have been made of houses in which a license was desired, with the following result: licenses granted, 289, of which number 26 have been revoked for failure to comply with the conditions required; 237 applicants have been refused a license, principally on account of the dirty condition of the places in which they live; 12 applicants have had a temporary license continued, pending removal or improvement in their surroundings; while 54 inspections have been caused by the removal of persons holding a license.

The most disagreeable part of the work is the visiting of houses in which contagious diseases exist; but it is a pleasure to note that during the year only three cases have occurred in buildings where a license had been granted, and from none of these was there any danger possible.

I submit a tabulated statement of the factories and workshops that have been inspected during the year, and also a few remarks as to their management.

Section 11, chapter 508, limiting the hours of labor of women and minors, caused some dissatisfaction in the "custom" branch of the trade; one reason being the shortness of the busy season, when the work is given out only upon a specified agreement as to the time of delivery or return of the garments. Then we find in the larger shops a number of independent bosses, caused by the renting of small portions of the shop to persons having "seat room," the practice being for one party to hire a large room and then sub-let in small portions to others, who make their own contracts and hire their help, thus dividing the responsibility for violations of the law. The employees in this branch of the trade are as a rule intelligent, and quickly comprehend the benefits derived from a proper observance of the law. The shops are kept in a cleanly condition, the sanitary arrangements usually good; the only drawback being their location, which must be within easy reach of the merchant tailors; and to obtain good light, which is essential, they are generally located on the top floor and in buildings otherwise used for the trades in which men are mostly employed, and which are not kept in as neat and cleanly condition as might be desired.

The ready-made clothing establishments, while not all in as good condition as could be desired, are improving gradually. Many of these contractors have secured better and cleaner shops; the diffi-

culty being that when a place is once vacated by these people it is quickly occupied by another of the same kind, and he in turn must be instructed and made to observe the laws, and thus the work continues. There is also a continual changing of owners of these places, also a moving around from place to place ; and these things, coupled with the unevenness of trade during the year, has made the inspection of these places a difficult task.

I find that the laws regulating the employment of labor are generally well observed. Fewer children are being employed than formerly, and those without the proper certificates are very rare. This law has been complied with in every instance where orders have been issued.

The enforcement of the law in relation to sanitary appliances and their proper maintenance is very difficult, owing to the filthy habits and carelessness of the people employed in these places ; and to have this law properly observed, frequent and unrecorded visits have had to be made to many of these shops, and an improvement will only be reached when these people have become thoroughly trained to a proper American way of living.

REGULAR WORKSHOPS,

JOHN H. PLUNKETT, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BOSTON.								
Greenbaum & Greenburg, . . .	Coats, . . .	28	12	—	—	Good, . . .	None, . . .	—
Leon Lassarson, . . .	Coats, . . .	12	6	—	—	Good, . . .	None, . . .	—
Bronsky & Son, . . .	Coats, . . .	14	12	—	—	Fair, . . .	None, . . .	—
Samuel Bronsky, . . .	Coats, . . .	—	—	—	—	Fair, . . .	None, . . .	—
Cohen Bros., . . .	Cloaks and wrap- pers.	5	6	—	—	Bad, . . .	Furnish water-closets; post time table.	Vacated.
M. Steinburg, . . .	Coats, . . .	14	8	—	—	Fair, . . .	Post time notice, . . .	Complied
M. Cohen, . . .	Coats, . . .	14	1	—	—	Fair, . . .	Post time notice, . . .	Complied.
M. Goldstein, . . .	Coats, . . .	12	2	—	—	Fair, . . .	None, . . .	—
I. Falck, . . .	Trousers, . . .	12	5	—	1	Fair, . . .	Procure certificate; post time notice, . . .	Complied.
H. Brenner, . . .	Trousers, . . .	12	6	—	—	Poor, . . .	Clean closets, . . .	Complied.
S. Levine, . . .	Trousers, . . .	15	7	—	—	Poor, . . .	Clean closets, . . .	Complied.
L. Davis, . . .	Trousers, . . .	12	7	—	—	Poor, . . .	Clean closets, . . .	Complied.
A. Cohen, . . .	Coats and jackets, . . .	13	2	—	—	Poor, . . .	Post time notice; furnish water- closet.	Complied.
Marks Goldberg, . . .	Trousers, . . .	7	6	—	—	Poor, . . .	Furnish water-closet; post time notice.	Complied.
H. Gordon, . . .	Wrappers, . . .	1	3	—	—	Poor, . . .	—	Vacated.
D. Weisman, . . .	Trousers, . . .	6	2	—	—	Poor, . . .	Furnish water-closet, . . .	Complied.
A. Ashanatsky, . . .	Trousers, . . .	4	3	—	2	Poor, . . .	—	Vacated
Max Louis, . . .	Trousers, . . .	9	4	—	—	Good, . . .	None, . . .	—

REGULAR WORKSHOPS — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
BOSTON — <i>Continued.</i>								
M. E. Cook, . . .	Vests, . . .	1	11	—	Good, . .	None, . .	—	
S. Barkan, . . .	Coats, . . .	3	1	—	Good, . .	None, . .	—	
H. Keshinofsky, . . .	Knee pants, . . .	11	5	—	Fair, . .	None, . .	—	
Joseph Rosenburg, . . .	Coats and jackets, . . .	35	15	—	Good, . .	Post time notice, . .	Complied.	
H. Goldstein, . . .	Coats, . . .	13	10	—	Good, . .	None, . .	—	
I. Shulman, . . .	Coats, . . .	16	6	—	Poor, . .	Clean water-closet; designate for women.	Complied.	
D Shornburg, . . .	Coats, . . .	13	5	—	Poor, . .	Clean water-closet; designate for men.	Complied.	
Julius Koppel, . . .	Coats, . . .	9	3	—	Poor, . .	Clean water-closet; designate for men.	Complied.	
H. Guren, . . .	Children's trousers.	6	3	1	Poor, . .	—	—	
F. Cohen, . . .	Trousers, . . .	16	4	—	Poor, . .	Clean and designate closets, . .	Complied.	
Louis Davis, . . .	Trousers, . . .	8	4	—	Bad, . .	—	Vacated.	
Calisk & Kolsky, . . .	Coats, . . .	17	6	—	Good, . .	None, . .	—	
D. Leftovich, . . .	Coats, . . .	6	2	—	Good, . .	None, . .	—	
H. Solomon, . . .	Children's suits, . . .	7	1	—	Good, . .	None, . .	—	
M. Louis, . . .	Trousers, . . .	13	8	—	Fair, . .	Clean water-closets, . .	—	
L. Kadish, . . .	Vests, . . .	3	1	—	Poor, . .	—	—	
George Donovan, . . .	Trousers, . . .	4	24	—	Fair, . .	Furnish and designate water-closet; post time notice.	Complied.	

I Livingston,	.	.	Coats, .	.	5	2	-	-	Fair,	.	Designate closets; post time notice,	Moved.
H. Hoffman,	.	.	Custom clothing,	.	5	1	-	-	Fair,	None,	.	-
M. Bornstein,	.	.	Trousers,	.	7	6	-	-	Fair,	Post time notice,	.	Complied.
I. Solomon,	.	.	Coats, .	.	8	4	-	-	Fair,	Post time notice,	.	Complied.
A. Weisenburg,	.	.	Coats, .	.	4	2	-	-	Fair,	Post time notice,	.	Complied.
S. Katzinburg,	.	.	Coats, .	.	4	1	-	-	Fair,	Post time notice,	.	Complied.
Peter Simon,	.	.	Coats, .	.	4	1	-	-	Fair,	Post time notice,	.	Complied.
L. Davis,	.	.	Trousers,	.	6	5	-	-	Fair,	None,	.	-
James Saltman,	.	.	Shirts, .	.	5	15	-	-	Fair,	Guard shafting under tables; post time notice.	.	Complied.
H. Kauffman,	.	.	Coats, .	.	5	2	-	-	Poor,	None,	.	-
Gilstein & Simon,	.	.	Vests, .	.	13	9	-	1	Good,	None,	.	-
A. Alshanatsky,	.	.	Children's trousers.	.	10	5	-	1	Good,	Procure certificate,	.	Complied.
Isadore Freitz,	.	.	Coats, .	.	7	-	-	-	Good,	None,	.	-
Huberman, Waterson & Lorackson.	.	.	Trousers,	.	12	8	-	-	Good,	None,	.	-
Wasserman & Meranis,	.	.	Trousers,	.	28	12	-	-	Good,	Post time notice,	.	Complied.
A. Kurinsky,	.	.	Children's coats,	.	14	6	-	-	Fair,	Furnish and designate closets,	.	Moved.
Goldman & Goldburg,	.	.	Trousers,	.	8	5	-	-	Fair,	None,	.	-
B. Slipian,	.	.	Coats, .	.	5	3	-	-	Good,	Post time notice,	.	Complied.
Plymouth Rock Pants Co.,	.	.	Clothing,	.	52	146	-	6	Good,	Procure certificates,	.	-
T. Hughes,	.	.	Clothing,	.	4	12	-	-	Fair,	Post time notice,	.	Complied.
Freeland Loomis Co.,	.	.	Clothing,	.	15	60	-	-	Good,	Guard shafting under tables,	.	-
M. Ascher,	.	.	Clothing,	.	4	24	-	-	Good,	None,	.	-
R. O'Brien,	.	.	Trousers,	.	5	29	-	-	Good,	None,	.	-
A. Grossman,	.	.	Trousers,	.	3	2	-	-	Poor,	Post time notice,	.	-
J. Feinstein,	.	.	Trousers,	.	6	10	-	-	Poor,	None,	.	Complied.
Schwartz Bros.,	.	.	Trousers,	.	11	4	-	-	Fair,	None,	.	-
Columbus Tailoring Co.,	.	.	Clothing,	.	2	1	-	-	Good,	None,	.	-
Aspe & Rosenquest,	.	.	Clothing,	.	16	4	-	-	Fair,	None,	.	-

REGULAR WORKSHOPS — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
BOSTON — Concluded.								
L. Frongillo,	Coats,	7	1	—	Fair,	None,	—	
M. Hydes,	Coats,	7	3	—	Good,	None,	—	
O. Larson,	Clothing,	28	12	1	Fair,	Procure certificate,	—	
C. Tornquest,	Clothing,	11	3	—	Good,	None,	—	
Rosenbaun Bros.,	Trousers,	2	9	—	Fair,	None,	—	
J. Lindwell,	Clothing,	7	1	—	Fair,	None,	—	
R. Westerland,	Clothing,	5	3	—	Fair,	None,	—	
A. Kurinsky,	Coats,	16	8	—	Good,	None,	—	
Goldman & Goldburg,	Trousers,	9	3	—	Fair,	None,	—	
Hugo Pinksohn,	Coats and trousers,	2	9	—	Fair,	None,	—	
J. W. Dakin,	Clothing,	7	5	—	Good,	None,	—	
M. E. Patterson,	Vests,	1	12	—	Fair,	None,	—	
A. Slatcorich,	Coats,	2	3	—	Poor,	Provide separate closets; post time notice.	—	
A. Greenspoon,	Coats,	2	1	—	Poor,	Post time notice,	—	
N. Martinson,	Clothing,	18	5	—	Fair,	Post time notice,	—	
Edward Orpen,	Trousers,	2	9	—	Fair,	Post time notice,	—	
J. McDonald,	Clothing,	33	15	—	Fair,	None,	—	
F. Carlton,	Clothing,	2	5	—	Fair,	None,	—	
L. Pearson,	Coats,	8	5	—	Fair,	Post time notice,	—	

CHELSEA.

II. Mayhofer, . . .	Children's suits, . .	9	5	—	Fair, .	Clean men's closet; post time notice,	Complied.
II. Stone & Co., . .	Coats, . . .	7	3	—	Fair, .	Provide separate closets; post time notice.	—
Solomon & Jacobs, . .	Coats, . . .	11	3	—	Fair, .	Post time notice, . .	Complied.
Mrs. H. Foy, . . .	Vests, . . .	2	20	—	Good, .	None, . .	—
J. Sparks, . . .	Vests, . . .	2	3	—	Fair, .	Post time notice, . .	—
MEDFORD.							
Foglan, . . .	Clothing, . . .	4	—	—	Good, .	None, . .	—
T. O'Brien, . . .	Clothing, . . .	6	—	—	Good, .	None, . .	—
H. Gordon, . . .	Wrappers, . . .	1	4	—	Bad, . .	—	Vacated.
J. Savel, . . .	Clothing, . . .	1	1	—	Poor, . .	—	Vacated.
S. Promisal, . . .	Children's pants, . .	1	2	—	Bad, . .	—	—
Max Levine, . . .	Wrappers, . . .	1	1	—	Bad, . .	—	—
H. Riorer, . . .	Kid gloves, . . .	5	4	—	Poor, . .	—	—
Borison & Lotorsky, . .	Overalls and linen and duck coats.	3	1	—	Bad, . .	—	—

REPORTS OF ACCIDENTS IN MANUFACTURING AND MERCANTILE ESTABLISHMENTS.

I include herein an abstract of the record of the reports of accidents which have occurred in manufacturing and mercantile establishments during the year, containing a statement of the facts and figures of such record, showing the causes of accidents in detail as well as could be done, together with such incidental suggestions as would arise therefrom, and which I submit in much the same manner as in past years.

The operation of the laws relating to the guarding of machinery in factories and workshops has tended largely to remove many of the causes which at one time existed leading to such accidents; and from careful observation and the information coming through the inspectors whose duty it is to enforce the provisions of this law, I am confident in stating that the manufacturers and all those subject to these provisions have rendered a cheerful and ready compliance with the requirements of the statute.

The original act requiring reports of accidents occurring in manufacturing establishments was chapter 260 of the Acts of 1886. A subsequent act provided that mercantile establishments should report accidents in like manner. By the revision and codification of the inspection laws at the session of the General Court this year the aforesaid acts were included in the revision, and have been enacted as part of chapter 481 of the Acts of 1894, being sections 8, 9 and 10 of said chapter. The said sections read as follows:—

REPORT OF ACCIDENTS.

SECT. 8. All manufacturers, manufacturing corporations and proprietors of mercantile establishments shall forthwith send to the chief of the district police a written notice of any accident to an employee while at work in any factory, manufacturing or mercantile establishment operated by them, whenever the accident results in the death of said employee or causes bodily injury of such a nature as to prevent the person injured from returning to his work within four days after the occurrence of the accident.

SECT. 9. When notice of any accident is sent to the chief of the district police under the provisions of section eight of this act

he shall forthwith return to the sender of such notice a written or printed acknowledgment of the receipt of the same.

SECT. 10. The chief of the district police shall keep a record of all accidents so reported to him, together with a statement of the name of the person injured, the city or town where the accident occurred and the cause thereof, and shall include an abstract of said record in his annual report.

During the year there were 648 cases of accident reported; and in each of four of these cases 2 or more persons were injured by the same accident. The number of cases reported in 1893 was 774; this year the number being 126 less.

The number of cases resulting fatally was 24. In these cases there were 5 persons killed by being caught by belting and shafting; 4 others were fatally injured by being struck by pieces of board or plank which had in some way caught on and were thrown from circular saws; 2 more were crushed by elevator cars; in 2 other cases death resulted from falling through elevator wells; 2 were scalded to death by falling into vats containing hot dye liquid; and 1 from each of the causes which follow: caught in gears of a soaping machine; caught between cylinders of a rag-dusting machine; by the fall of an elevator car; struck by a large pulley which had fallen from a block on which it had been placed; struck by a reel which rebounded from a reeling machine; while at work unloading bales of cotton; struck by a cylinder head; caught between machinery and a post in the building; being struck on the head by door of a steam box, the door being forced outward by steam.

In the list of causes which led to the accidents, which list is here given, there are 208 cases where persons received injuries from causes which are not enumerated, and which are equal to about 35 per cent. of the whole number reported for the year.

The statute provides that whenever an accident occurs to an employee of any manufacturer, manufacturing corporation or proprietor of any mercantile establishment, it shall be reported to the chief of the district police, such report to state the cause of the accident; and, as there are no particular causes specified, accidents coming from whatever cause or

source are reported, as the statute makes no distinction in this particular. Hence it is that reports of cases have been received here where injuries were sustained by employees who at the time were not engaged in the operation of any kind of machinery, but whose mishaps were due to innumerable causes which it is not possible for any legislation to contemplate or avert the recurrence of such accidents. As an illustration of the matter, it may be stated that among these cases there were 48 in which persons were injured by falls, many of them by slipping on the wet floors of factories, some in ascending or descending stairways, and many others by falling from elevations where it was necessary to go in the performance of some particular work. There were about 20 injured by falls from ladders and temporary staging, and about 30 more had their feet more or less injured by splinters or nails getting into them. Upward of 50 met with accidents while working about cars and trucks, and as many more were struck on various parts of the body by heavy articles falling from overhead or from trucks on which they were being conveyed. All of these, however, are received and acknowledged in like manner with the others, and recorded in their order. In the following list of causes the fatal cases are not included : —

Injured by machinery, mainly in woollen, cotton and paper mills, shoe factories and electrical works,	278
Injured by machinery in machine shops, iron works, planing mills and other mechanical establishments,	64
Injured by elevators,	27
By being caught between elevator car and flooring (in most cases while riding on car),	20
By falling down elevator well,	5
By dropping of elevator car,	2
Injured by belting, shafting and pulleys,	22
Injured by flying shuttles and other attachments loose from machinery,	6
Injured by burns and scalds (principally from dye vats and molten iron),	16
Injured by bursting of hydro-extractor, breaking of emery wheel and by explosion of gas (one in each case),	3
While cleaning machinery in motion, and removing bobbins, waste, etc., from running machinery (included in figures first above given),	109
From causes not here enumerated,	208

It will be observed by the figures here shown that 109 persons were injured while engaged in cleaning machinery which at the time was in operation, or while they were attempting to remove waste, bobbins or other materials which had fallen into or become entangled in the machinery when it was in motion. This is equal to more than 39 per cent., or almost two-fifths of the entire number (278) reported as injured while at work operating machinery, as shown in the foregoing list of causes. This large proportion, showing as it does the careless or thoughtless acts of the persons so injured, is a matter for regret, and is sufficient, in itself, to show that, with even ordinary care and thoughtfulness, one element of danger would cease to exist, and so much pain and suffering, not to mention loss and expense, would be averted.

The cases reported show that 514 males and 134 females sustained injuries. The greater number of the female portion, in fact, almost the entire number, met with accident while running machinery, while almost all the cases not enumerated were confined to the male portion.

An examination of the results has elicited the fact that in general the injuries were not of a serious nature. About two-thirds of the same were those of injuries to the arm and hand, being upward of 400, and more than 200 of the latter were confined to the thumb and finger. Total loss of one finger or more occurred in each of 15 cases, and partial loss in each of 40 cases. There were about 12 cases in each of which the arm was broken, and loss of one arm happened in each of 3 cases. With very few exceptions the injuries to the head were slight. Injuries to other parts of the body in only a few instances proved serious.

I am gratified to be able to state in this report that accidents caused by shuttles breaking loose from looms have been much less frequent than in former years, when the number of cases was so large that the attention of the inspectors was especially directed to the same in connection with their duty of enforcing the law relating to unguarded machinery. This year 6 accidents resulted from this cause; last year the number was 14, and the year before it was 36.

One case was that of a girl working at a drawing frame.

She was looking for a top saddle, a part of the machine, and in so doing reached so far under the frame as to have her clothing come in contact with a shaft, drawing her onto the shaft. She was bruised on the side and arm, and one ear cut. There were no bones broken, and no serious results were anticipated.

In a planing mill a man lost an arm while he was assisting another workman engaged in planing lumber. The part of the work the injured man had to do was to take the work from the machine which was being fed by the other man at the opposite end. This man was called away for a few minutes, leaving his assistant alone at the machine. In some manner not explained, while handling the lumber he got his right arm caught between the knives of the planer, cutting the arm off just below the elbow.

Another accident resulting in the loss of an arm occurred in a rubber factory. The man injured was at work at a rubber-grinding machine, when one arm was caught in the machinery, and the flesh was torn off, leaving the bone bare. He was taken to the hospital, where it was found necessary to amputate the arm.

Two men were injured by the falling of an elevator car. Both men were on the car, which was run by an electric motor. When at the fifth story one of the men pulled the shipper rope, and immediately the car dropped, falling to the basement. Both men were seriously injured, but recovery was thought probable in both cases. An investigation showed that some gearing which connected parts of the running machinery of the elevator was broken, thus causing the accident.

An operative who was at work stripping cards, while removing the strippings from a part of the card, had both of his hands caught by the cylinder. He lost all the fingers on his right hand and three fingers on his left hand.

One man had a remarkable escape from death, being caught and carried around shafting. He was standing on a bleaching tub which was in the basement of the dye house, and a shaft which was running was directly overhead. In standing upright some portion of his clothing was caught on the shaft, causing him to be caught up and carried around

the shaft several times, when he dropped to the floor. His clothing was stripped from his body, — nothing remained on but his shoes. Strange to say, his injuries consisted only of a few bruises. The shafting was running at slow speed at the time, otherwise the result probably would have been serious, if not fatal. As it was, escape from serious injury was most fortunate and remarkable.

Another case was one where a woman was brushing up around a roving frame, and in stooping to brush under the machine her hair, which was hanging down her back, was caught by the cone shaft, and before the machine could be stopped the hair was twisted about the shaft, and the scalp was torn completely from her head.

In every instance where a fatal accident was reported an investigation was made by the inspector of this department in whose district the accident occurred, who visited the scene of the same; and such facts or circumstances attending each case as were obtained therein are given in substance, as taken from the written reports made by the inspectors in the several cases. In each case which follows are given the name of the person who met with the accident, the city or town, and the establishment where such accident occurred: —

THOMAS J. MCCOHEAN, Holyoke. Wauregan Paper Company. Date of accident, January 10. McCohean was employed as a workman about the mill. Some of his duties were to oil machinery, work on a bleacher and to assist in making sizing. While at work dipping sizing from one tank to another, and while about to throw the sizing in, his foot slipped, throwing him off his balance, and he fell into the boiling contents. He got out of the boiling tank, and when found was emerging from a tank of cold sizing. He was assisted as quickly as possible and conveyed to his home, where he died after lingering three days.

JAMES COURSER, Lowell. Merrimac Manufacturing Company. Date of accident, January 10. It appears that Courser, who was a boy about fourteen years of age, and employed as a cloth tender, was going through a passageway between machines called "scooping machines," when in some unaccountable manner his clothing was caught in the gears and he was drawn into the machinery, receiving such injuries as caused his death in a short time afterward.

MICHAEL TENANTY, Waltham. Waltham Bleachery and Dye Works. Date of accident, January 18. Tenanty was employed as a carpenter in the factory, and was engaged in sawing a piece of wood at a circular saw. The wood laid on the table after being cut in two pieces, when one piece in some manner getting entangled in the saw was thrown with great force, striking Tenanty in the stomach, and with such effect that he died from his injuries the following morning.

PATRICK MCGUIRE, Fitchburg. Crocker, Fairbanks & Co. Date of accident, February 19. McGuire had stepped in between two cylinders of a rag duster to clean the machinery. The belt, which had been on the lower pulley, in some way got onto the shaft, starting the machinery. McGuire, being in the box between two of the cylinders, was carried over one of these cylinders, and was thrown partly out at the end of the box. The machine was stopped and he was taken out, but life was extinct. One shoulder and one arm were broken, the back of his head was badly crushed, and he was horribly lacerated by the spikes of the cylinders.

FRANK A. FANNING, JOHN T. DORIS, THOMAS F. SCULLY, Boston. Jordan, Marsh & Co. Date of accident, February 26. These men were all riding on an elevator, which contained also goods estimated to weigh upwards of twenty-one hundred pounds. From some cause not explained, the elevator fell a distance of about four stories. Fanning was injured so severely that he died about three days after the accident. The other two men were quite severely injured.

EDWIN MORSE, Norwood. H. M. Boynton & Co. Date of accident, March 9. This accident was caused by Morse being caught on shafting in the basement of the building. He was talking with the engineer at time of accident in relation to a leak in the floor overhead, and backed towards the shafting in pointing out to the engineer the locality of the leak, and, coming in contact with the shafting, was caught up and whirled around the same until the speed was shut off. Doctors were immediately called, but Morse's injuries were such that he died about half an hour after the accident happened. The shafting was about thirty-seven inches from the floor of the basement. The engineer stated that the shafting was not guarded at the time of the accident, and thinks that some cotton waste hanging from Morse's pocket was first caught.

CHARLES ROLLER, Hampden. Bedfordshire Woolen Mills. Date of accident, April 7. Roller was employed as a boss dyer, and at the time the accident occurred was at work at a vat or tub filled with boiling dye. While reaching over the tub to throw into it the contents of a pail of dye, he lost his balance and fell in. He was taken out immediately by a fellow workman, but he was scalded in a terrible manner. The doctor was called at once, and did what was possible in the case, but Roller died about eight hours after the occurrence of the accident.

WM. E HOVEY, Worcester. Cutting & Bishop. Date of accident, April 9. Hovey was sawing a piece of hard pine board or plank to uniform width on a circular saw. He had passed the whole piece by the saw, and when drawing it back towards him the end caught on the saw, which was moving in the same direction as the board, which rode the saw at full speed. The saw was making from twelve to thirteen hundred revolutions per minute. The corner of the board struck Hovey in the abdomen, near the navel. The injury was not thought to be serious at the time, and after sitting for a short time he was sent home. An operation was performed, and one of the intestines was found to be ruptured. He grew rapidly worse, and soon after died.

WILLIAM B. HARDY, New Bedford. New Bedford Iron Foundry. Date of accident, June 1. Hardy was employed as a stage man and melter's assistant, his duty being to charge the big cupola furnace from the charging stage or platform, which was elevated about twenty feet above the foundry floor. The fuel and iron have to be raised to this stage by an elevator operated by a power drum in the machine shop. The lever of the elevator was controlled by a wire rope running up one side of the elevator hatchway. Hardy apparently reached into the elevator well to pull the wire rope, in order to bring the elevator down, that he might wheel his fuel upon the platform, so that it could be taken to the cupola furnace. In order for Hardy to pull the rope for the elevator to descend, it was necessary for him to stand almost under it. The elevator platform descends into a pit some ten inches deep. It is the opinion that Hardy fell into this pit, and the elevator came down upon him before he could extricate himself, and he was crushed to death.

GEORGE HEYWOOD, Fall River. Durfee Mill No. 2. Date of accident, June 23. Heywood was at work for Baker & Snell, riggers, in the engine room of Durfee Mill No. 2, engaged with others in

removing a twenty-seven-foot main pulley. The pulley was being taken apart in sections. Heywood was at work on the south side of the pulley with a pinch bar, trying to start a bolt connecting a part of the machinery; a block of wood was used as a support, resting on the floor, which was covered with zinc and oil drippings. Heywood had one foot resting upon the block, which slipped from under him; he lost his balance and fell to the floor, and the heavy iron spokes fell on him, crushing him in a horrible manner, completely severing his head and left arm from the body, causing instant death.

MICHAEL BEATY, South Boston. Robert Bishop's Cotton Waste Factory. Date of accident, July 31. Beaty was engaged in moving a belt from a loose pulley to a tight pulley, and for that purpose used a broom handle, which he had often used before for the same purpose. The belt was a heavy one, and going at a high rate of speed. The broom handle which Beaty was using to change the belt caught and broke, and was driven into his abdomen, causing the intestines to protrude from the wound. Beaty died at the hospital some four days after the accident.

JEREMIAH DOYLE, Cambridge. Power Station West End Street Railway Company. Date of accident, August 24. Doyle was employed by the above company, and was engaged in adjusting an operating ring on a clutch in the shaft alley, when in some manner unknown he was carried over the shafting, killing him instantly.

ALBERT LOFIFE, Lowell. Hamilton Manufacturing Company. Date of accident, September 24. Lofife was employed to run one of the freight elevators. Upon the day of the accident the elevator upon which he was employed was loaded with boxes to be carried to one of the upper floors of the mill. He pulled the shipper rod for the elevator to ascend. When about three feet from the floor of spinning room No. 2 the elevator stopped. He then reversed the shipper rod, the belt at the time being off the pulley. He continued holding onto the shipper rod, when the elevator in its descent caught him between the floor of the spinning room and the cross beam of the elevator. He died a few minutes after the accident occurred.

CHARLES H. DALTON, Boston. Building corner Summer and Kingston streets, occupied by several firms. Date of accident, October 8. Dalton, it appears, was not an employee in the above

building. He had called there for the purpose of seeing an employee upon the fourth floor, and for that purpose went to the freight elevator, situated on Kingston Street, raised the gate, stepped into the opening, and, as he supposed, onto the elevator, but instead stepped into the well and fell a distance of nine feet, striking the ground. He was conveyed to the Emergency Hospital, where he died in a few hours.

JOHN BISHOP, Allston. Sewall & Day Cordage Company. Date of accident, October 12. Bishop was employed in the lower ropewalk, reeling, and by some means unknown the rope became fouled, thereby causing a tremendous strain upon the iron bar attached to the reel, resulting in its breaking, causing the reel to rebound. One of the spokes or handles of the reel struck Bishop in the lower part of the abdomen, inflicting a cut several inches long. He was conveyed to the Massachusetts General Hospital, where he died on the 11th of November.

N. FONTAINE, Lawrence. Russell Paper Mill. Date of accident, October 15. Fontaine was employed as a wood sawyer in the wood room. He was engaged in his usual employment of preparing slabs of wood for the barking machine by sawing out the knots and imperfections with a large circular saw. He had split the slab he was working on at the time, when the larger piece caught on the saw and was driven back, striking Fontaine in the abdomen, causing a rupture of the bowels, resulting in his death.

WILLIAM DUTCHER, Great Barrington. C. R. Brewer's Wood Finish and Box Shop. Date of accident, October 15. Dutcher was employed as a sawyer, and at the time of the accident was engaged in edging boards. In removing a board some five feet long by four inches wide from the saw, it broke in the middle, one part striking the saw, which was making four thousand revolutions per minute. The piece of wood was thrown off with great velocity, striking Dutcher in the chest. The force of the blow broke the blood vessels in his heart, causing instant death.

FRANK MORAN, Fall River. Davol Mill. Date of accident, October 22. Moran was employed as foreman of the yard gang, and with one of the helpers went to the cotton house for a bale of cotton. While in act of getting one of the bottom bales off a pile with the aid of his helper, it came out suddenly, knocking Moran down. Before he had completely recovered himself from the fall, a bale weighing some six hundred pounds fell onto him, striking

him in the side. One of his legs was broken in two places, and he was also severely injured internally. He was conveyed to his home, and died some two weeks afterwards.

ROBERT GRAY, Fall River. Durfee Mills. Date of accident, October 29. Gray was employed as foreman for Watts Campbell & Co. of Newark, N. J., and was engaged in raising a cylinder head in the engine house of Durfee Mill No. 1. To accomplish this an eye bolt had to be screwed into the cylinder head to raise it; and when the heavy weight was lifted the thread stripped from the screw, causing the heavy weight to fall on the two workman, one of whom, Mr. Gray, was struck by the piece of machinery, seriously injuring him, so that he died a few hours after.

ANTONIO VICHIKACZKA, Lowell. White Bros. & Co. Date of accident, November 8. Vichikaczka left the department in which he was working and strolled into another part of the factory, where one of the employees was working on the inside of a large drum, plugging a hole. The drum was used for washing skins, and at the time was stationary. Vichikaczka, hearing a voice inside the drum, put his head in an opening of the drum which was some twenty-one by nineteen inches. The movements of the man on the inside caused the drum to revolve, carrying Vichikaczka against the framework which supported it. He was crushed in such a manner as to cause almost instant death.

JOHN J. GILLESPIE, North Andover. Sutton's Mills. Date of accident, November 12. Gillespie, who was employed as a third hand in the card room, was standing on the back of some looms, holding a belt to keep it from coming in contact with the main shaft while one of the second hands was lacing it. Through some means the belt caught in the shaft and caught Gillespie, carrying him to the shaft and whirling him around with it, the belt winding him up. Gillespie's left arm was torn from its socket and his left side crushed before the machinery could be stopped. The result was immediate death.

ROGER KANE, Lowell. Massachusetts Cotton Mill. Date of accident, November 8. Kane was employed to run an elevator in the mill. He had ascended to the fourth floor on the elevator, where he got off to go after a truck. When he left the elevator it continued up to the sixth floor. Having secured the truck, Kane walked backwards to the elevator, not knowing that it was up, and fell into the well, a distance of about thirty-six feet, the

truck falling upon him. From the injury sustained he died the next day.

JOHN CALLAHAN, Lowell. Lladnek Dye and Print Works. Date of accident, November 8. Callahan was employed to have charge of a steam box used for steaming printed goods. While at work at this box, through neglect to properly secure the door, the force of steam by some manner unknown blew it open, striking Callahan on the head, fracturing his skull. He died at the hospital in the afternoon of the same day.

JOHN SHEPARD, North Wilbraham. Collins Manufacturing Company. Shepard was employed as assistant in general repairs about the mill, and, with the help of two other workmen, was about to take off from the pulley a twelve-inch belt. He ascended a ladder to a platform raised about eight feet from the basement floor, and seated himself on a box near the belt and pulley. One of the workmen stationed himself at the foot of the ladder. Shepard, wishing to cut the belt at or near the hooks, found it was necessary for the machinery to be started in order to bring the parts nearer to him. On the machinery being started, a word of warning was given Shepard to "look out." He replied that he would get out of the way. The power was let on, and as the belt started Shepard leaned forward, and for some reason unknown reached his arm across the belt, and in so doing his arm was drawn in between the belt and pulley, dragging his body after it. His neck was broken and he was instantly killed.



DETECTIVE DEPARTMENT.

REPORT OF THE DETECTIVE DEPARTMENT.

SPECIAL DUTIES.

Officers of the force have been called upon for special duty at Whitman, Concord, Wakefield, Reading, South Framingham, Rutland, Medford, Malden, Lake Walden, Winthrop, Worcester, Cottage City, Pittsfield, Sturbridge, North Adams, Yarmouth, Barnstable, Kingston, Marshfield, Great Barrington, Cummington, South Weymouth, Taunton, Bolton, Rehoboth, Westport, Attleborough and Bridgewater.

ARRESTS.

Arrests have been made to the number of 477; total number of cases investigated, 974; total value of property recovered, \$4,966.25.

REPORTS OF OFFICERS, BY DISTRICTS.

Suffolk County.

Officer Frederick A. Rhoades detailed for duty at headquarters. Total number of cases investigated, 44; total number of arrests, 30; total value of property recovered, \$280.

Among the most important cases investigated were the following:—

JAMES STUART, *alias* ROBERT KNOX. Crime, breaking and entering and larceny, two counts. Found guilty; sentenced to three years in the Massachusetts State Prison.

WILLIAM WOODS. Crime, breaking and entering and larceny, two counts. Found guilty; sentenced to one year in the House of Correction.

Worcester County.

Officer Peleg F. Murray. Total number of cases investigated, 59 ; total number of arrests, 12 ; total value of property recovered, \$20.

Among the most important cases investigated were the following : —

EDWARD CUNNINGHAM. Crime, murder. Pled guilty of manslaughter ; sentenced to ten years in the Massachusetts State Prison.

ELIZA NEWCOMB. Crime, manslaughter. Found guilty ; sentenced to one year in the Woman's Prison.

EDWARD BAUREGARD. Crime, murder. Pled guilty of manslaughter ; sentenced to eight years in the Massachusetts State Prison.

MITCHELO BONEGUON. Crime, murder. Pled guilty of manslaughter ; sentenced to eight years in the Massachusetts State Prison.

WILLIAM ANDREWS. Crime, breaking and entering. Found guilty ; sentenced to one year in the House of Correction.

CHARLES A. RANDALL. Crime, embezzlement. Turned over to officers of Franklin County.

GEORGE S. AYER. Crime, arson. Indicted. Found not guilty.

JOSEPH GRIGOIRE, *alias* LOUIS REMEY. Crime, lewd and lascivious cohabitation. Found guilty ; sentenced to two years in the House of Correction.

SALINA LEMAIGIE, *alias* MARI REMEY. Crime, lewd and lascivious cohabitation. Found guilty ; returned to Belgium by order of court and counsel furnishing bonds.

JOHN SENDSTROM. Crime, violation of the fishery law. Found guilty ; sentenced to pay a fine of \$20.

AUGUST MEDEX. Crime, violation of the fishery law. Found guilty ; sentenced to pay a fine of \$20.

CARL F. LEINDEREN. Crime, violation of the fishery law. Found guilty ; sentenced to pay a fine of \$20.

Barnstable, Bristol, Nantucket and Dukes Counties.

Officer George F. Seaver. Total number of cases investigated, 69 ; total number of arrests, 26 ; total value of property recovered, \$850.

Among the most important cases investigated were the following : —

GEORGE WOODIS. Crime, burglary. Found guilty; sentenced to the Massachusetts Reformatory.

LEWIS BOWCOCK. Crime, arson. Found guilty; sentenced to the Massachusetts State Prison.

JOHN STEARNS. Crime, embezzlement. Found guilty; sentenced to the Massachusetts Reformatory.

GEORGE W. HASKELL. Crime, rape. Found guilty; sentenced to six years in the Massachusetts State Prison.

MICHAEL CONRAD. Crime, burglary. Found guilty; sentenced to six years in the Massachusetts Reformatory.

JOSE LOOMIS, *alias* BARBOUR. Crime, breaking and entering and larceny. Found guilty; sentenced to the Massachusetts Reformatory.

GEORGE E. BOYCE. Crime, breaking and entering and larceny, obtaining property by false pretence. Found guilty; sentenced to the Massachusetts Reformatory.

DELPHUS HAMBEAU. Crime, breaking and entering and larceny. Case pending.

THOMAS G. FITZPATRICK. Crime, attempt to rape. Case pending.

Officer Simeon F. Letteney was appointed a district police officer April 24, 1894. Total number of cases investigated, 34; total number of arrests, 24; total value of property recovered, \$400.

Among the most important cases investigated were the following:—

RICHARD C. DAILY. Crime, abortion. Indicted; awaiting trial.

LEANDER C. BAKER. Crime, polygamy. Found guilty; sentenced to one year in the House of Correction.

ISAAC W. BAKER. Crime, fornication. Found guilty; sentenced to three months in the House of Correction.

JAMES BUSHNAHAN. Crime, larceny. Found guilty; sentenced to seven months in the House of Correction.

NATHAN REYNOLDS. Crime, breaking and entering. Found guilty; placed on probation.

BARNARD RODRIGUE. Crime, incest. Indicted. Found not guilty.

JAMES BUSHNAHAN. Crime, breaking and entering. Case pending.

HENRY J. SEYMORE. Crime, breaking and entering. Found guilty; sentenced to six months in the House of Correction.

NAPOLEON PAGE. Crime, breaking and entering. Found guilty; placed on probation.

F. A. MAKEPEACE. Crime, breaking and entering. Case pending.

EBENEZER D. CHASE. Crime, breaking and entering. Case pending.

Norfolk and Plymouth Counties.

Officer George C. Pratt. Total number of cases investigated, 97; total number of arrests, 38; total value of property recovered, \$348.

Among the most important cases investigated were the following:—

THOMAS MURPHY. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

JOHN McDONALD. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

THOMAS McDONALD. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

MICHAEL McQUEENEY. Crime, breaking and entering (three counts). Found guilty; sentenced to the Massachusetts Reformatory.

CHARLES O. HOLBROOK. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

HENRY L. BATES. Crime, breaking and entering. Case pending.

WILLIAM H. GOWELL. Crime, breaking and entering. Found guilty; sentenced to eighteen months in the House of Correction.

G. E. McKEY. Crime, breaking and entering. Found guilty; sentenced to sixteen months in the House of Correction.

WILLIAM E. MCQUADE. Crime, breaking and entering. Found guilty; sentenced to seventeen months in the House of Correction.

JOSEPH JOHNSON. Crime, larceny. Found guilty; sentenced to eighteen months in the House of Correction.

FRANK COOMBS. Crime, larceny. Found guilty; sentenced to the Massachusetts Reformatory.

SUSAN J. TAYLOR. Crime, incendiary. Case pending.

WILLIAM E. MCQUADE. Crime, breaking and entering. Case pending.

Middlesex County.

Officer Josiah A. Bean. Total number of cases investigated, 119; total number of arrests, 89; total value of property recovered, \$205.

Among the most important cases investigated were the following:—

JERRY CAMPBELL. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

MICHAEL FRAWLEY. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

JOHN F. McCARTY. Crime, assault with a dangerous weapon. Found guilty; sentenced to six months in the House of Correction.

MICHAEL WELCH. Crime, larceny from building. Found guilty; sentenced to three years in the Massachusetts State Prison.

JOHN P. KELLEY. Crime, assault with a dangerous weapon. Case pending.

MICHAEL GAY. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

JAMES J. RAFFERTY. Crime, assault and robbery. Awaiting trial.

PATRICK RAFFERTY. Crime, assault and robbery. Awaiting trial.

PETER P. KELLEY. Crime, assault with a dangerous weapon. Awaiting trial.

JAMES O'BRIEN. Crime, disturbing the peace. Found guilty; sentenced to the Massachusetts Reformatory.

PATRICK SULLIVAN. Crime, murder. Indicted; awaiting trial.

CORNELIUS NAGLE. Crime, murder. Indicted; awaiting trial.

PATRICK FOLEY. Crime, murder. Indicted; awaiting trial.

GEORGE A. HODGNEY. Crime, breaking and entering. Found guilty; sentenced to fifteen months in the House of Correction.

WILLIE A. FLINT. Crime, breaking and entering. Found guilty; sentenced to fifteen months in the House of Correction.

GEORGE RILEY. Crime, malicious mischief. Found guilty; sentenced to six months in the House of Correction.

WESLEY A. ROWELL. Crime, breaking and entering. Found guilty; placed on probation.

HERBERT A. OSBORNE. Crime, breaking and entering. Found guilty; placed on probation.

EAMES HARRINGTON. Crime, breaking and entering. Found guilty; placed on probation.

WILLIAM F. CURLEY. Crime, larceny from building. Found guilty; sentenced to the Lyman School for boys.

LOUIS F. PERRY. Crime, larceny. Found guilty; sentenced to pay a fine.

JOSEPH BRADLEY. Crime, incendiary. Found guilty; placed on probation.

JOHN DENNY. Crime, incendiary. Found guilty; placed on probation.

MARTIN GAVIN. Crime, assault on an officer. Awaiting trial.

EDWARD DONNOVAN. Crime, assault on an officer. Awaiting trial.

Officer Jophanus H. Whitney. Total number of cases investigated, 99; total number of arrests, 44.

Among the most important cases investigated were the following:—

WILLIAM BARRETT. Crime, murder. Found guilty; sentenced to the Massachusetts State Prison for life.

CHARLES F. ILKENHAUS. Crime, manslaughter. Indicted; found not guilty.

WILLARD T. REED. Crime, manslaughter. Found guilty; sentenced to one year in the House of Correction.

HENRY PICKETT. Crime, perjury. Awaiting trial.

EVERETT PICKETT. Crime, perjury. Awaiting trial.

THOMAS COLEMAN. Crime, common and notorious thief. Found guilty; sentenced to seven years in the Massachusetts State Prison. Coleman has a bad record, and has served time in the House of Correction and State Prison prior to this sentence.

ORZANDO DAVIS. Crime, incest. Found guilty; sentenced to eight years in the Massachusetts State Prison.

WILLIAM H. ROONEY. Crime, breaking and entering. Found guilty; sentenced to five years in the Massachusetts State Prison.

FRANK A. MANSFIELD. Crime, polygamy. Found guilty; sentenced to three years in the House of Correction.

SAMUEL ALEXANDER. Crime, murder. Escaped from the Worcester Insane Asylum July, 1893, was rearrested at Montreal, Can., and returned to said institution.

MATHER MORRISON. Crime, escape. Morrison escaped from the Worcester Insane Asylum, was rearrested and returned to said institution.

DAVID CUMMINGS. Crime, highway robbery and assault. Discharged on account of variance on the charge of highway robbery.

Found guilty of assault and battery; sentenced to six months in the House of Correction.

EDWARD YOUNG. Crime, attempt to wreck a railroad train. Adjudged insane, and committed.

LUTHER A. SMITH. Crime, lewd and lascivious. Defaulted.

HAROLD E. SPAULDING. Crime, embezzlement. Found guilty; sentenced to three months in the House of Correction.

JOSEPH McMANUS. Crime, burning a building. Acquitted.

JAMES LYNCH. Crime, burning a building. Found guilty; sentenced to six years in the Massachusetts State Prison.

PASQUALE DEKIAS. Crime, larceny. Indicted; awaiting trial.

TONEY MONICO. Crime, larceny. Indicted; awaiting trial.

BARNEY OWENS. Crime, breaking and entering and larceny. Indicted; awaiting trial.

Essex County.

Officer Moulton Batchelder resigned from the department Jan. 10, 1894. The following is a report of his work since last report. Total value of property recovered, \$455.

Among the most important cases investigated were the following:—

FRANK MELLOWS, *alias* MILLER, *alias* McDONALD. Crime, burglary. Found guilty; sentenced to seven years in the Massachusetts State Prison. Mellows is now wanted in several cities in New England.

CHARLES SPOONEY. Crime, larceny. Found guilty; sentenced to seven months in the House of Correction.

WILLIAM S. FERRY. Crime, larceny. Found guilty; sentenced to four months in the House of Correction.

JAMES MURPHY. Crime, breaking and entering. Found guilty; sentenced to two months in the House of Correction.

JAMES MCGOVERN. Crime, breaking and entering. Indicted; case pending.

Officer Joseph E. Shaw resigned from the department July 31, 1894. The following is a report of his work since last report. Total value of property recovered, \$660.

Among the most important cases investigated were the following:—

FRED A. GRANT, *alias* D. A. CHAMBERLAIN. Crime, larceny. Found guilty; sentenced to one year in the House of Correction.

WILLIAM MARLOW. Crime, larceny and escape. Found guilty; sentenced to thirteen months in the House of Correction.

GEORGE ELDERKIN. Crime, breaking and entering. Found guilty; sentenced to three years in the House of Correction.

HERBERT E. FARMER. Crime, larceny. Restitution made; case placed on file.

FRED M. SMITH. Crime, conspiracy. Indicted; awaiting trial.

WILLIAM D. MCGREGOR. Crime, false pretence. Indicted; awaiting trial.

GEORGE W. BACHELLER. Crime, breaking and entering. Indicted; awaiting trial.

DAVID M. HALL. Crime, breaking and entering. Indicted; awaiting trial.

HERBERT B. HATCH. Crime, larceny from building. Indicted; awaiting trial.

Officer Daniel W. Hammond was appointed a member of the department Feb 1, 1894, in place of Moulton Batchelder, resigned. Total number of cases investigated, 45; total number of arrests, 20; total value of property recovered, \$348.25.

Among the most important cases investigated were the following:—

WARREN F. PUTMAN. Crime, embezzlement. Indicted; awaiting trial.

FLORA M. PAGE. Crime, larceny. Found guilty; sentence deferred.

EDWARD T. YOUNG. Crime, abuse of female child. Found guilty; sentenced to the Massachusetts Reformatory.

ANNIE PRATT. Crime, fornication. Found guilty; sentenced to the State Industrial School for Girls.

WILLIAM S. VITUM. Crime, violation of the insurance law. Found guilty; sentenced to pay \$100 fine.

LEFOREST C. BARRY. Crime, fraud. Found guilty; case placed on file.

JOSIAH L. JOHNSON. Crime, murder. Indicted; awaiting trial.

FRANK LITTLE. Crime, murder. Indicted; awaiting trial.

FRANK C. HUNT. Crime, murder. Indicted; awaiting trial.

ALBERT O. HOWARD. Crime, accessory to abortion. Turned over to New Hampshire officers.

FRANK D. GORDON. Crime, breaking and entering and larceny. Case pending.

Officer George C. Neal was appointed a member of the department Aug. 6, 1894, in place of Joseph E. Shaw, resigned. Total number of cases investigated, 21; total number of arrests, 3.

Among the most important cases investigated were the following:—

CHARLES R. NEAGLE, *alias* Cummings. Crime, breaking and entering and larceny. Found guilty; sentenced to the Massachusetts Reformatory.

JOSEPH E. BODWELL. Crime, lewd and lascivious cohabitation. Indicted; awaiting trial.

Hampshire and Franklin Counties.

Officer Benson Munyan. Total number of cases investigated, 142; total number of arrests, 36; total value of property recovered, \$1,400.

Among the most important cases investigated were the following:—

JAMES WHITING. Crime, common and notorious thief. Found guilty; sentenced to two years in the House of Correction.

JOSEPH B. WARREN. Crime, attempt to rape. Found guilty; sentenced to twelve years in the Massachusetts State Prison.

ALONZO PAYNE. Crime, burning a building. Found guilty; sentenced to five years in the Massachusetts State Prison.

WILLIAM MCCLEARN. Crime, attempt to poison horses. Awaiting trial.

Hampden and Berkshire Counties.

Officer Moses H. Pease. Total number of cases investigated, 161; total number of arrests, 125.

Among the most important cases investigated were the following:—

WALTER P. MAY, *alias* W. G. BATES. Crime, forgery. Found guilty; sentenced to five years in the Massachusetts State Prison. May has served in several prisons for similar offences.

JAMES BOUCHER, *alias* DANIEL DEVINE. Crime; accessory to forgery. Found guilty; sentenced to the Massachusetts Reformatory.

THOMAS H. RICHARDS. Crime, accessory to forgery. Found guilty; sentenced to the Massachusetts Reformatory. Richards has served time in Connecticut jails.

CLIFFORD W. THOMAS. Crime, false pretence. Turned over to the United States officers.

JOSEPH BURNS. Crime, larceny. Found guilty; sentenced to five years in the Massachusetts State Prison.

MORRIS KINNEFICK. Crime, forgery. Found guilty; sentenced to the Massachusetts Reformatory.

JAMES WILCOX. Crime, uttering forged paper. Found guilty; sentenced to the Massachusetts Reformatory.

JOHN L. SULLIVAN. Crime, larceny from building. Found guilty; sentenced to the Massachusetts Reformatory.

FREDERICK A. HOBBS. Crime, embezzlement. Indicted; case pending.

CHARLES A. ANDERSON. Crime, incest. Found guilty; sentenced to fifteen years in the Massachusetts State Prison.

MARTIN DALEY. Crime, larceny. Turned over to the New York State officers.

FREDERICK H. CONROY. Crime, larceny from building. Case pending.

WILLIAM F. HENDERSON. Crime, adultery. Case pending.

ANNETTE VAN BLAKE. Crime, adultery. Case pending.

SPECIAL DUTY.

By authority of chapter 389 of the Acts of 1888, William H. Proctor was appointed an additional district police officer, and it was made my duty, upon said appointment, to detail him for service under the direction of the Commissioners on Inland Fisheries and Game. For purposes of record I herewith append his report, relating to the operations of the fish and game laws, which it is his special duty to enforce.

REPORT OF OFFICER WILLIAM H. PROCTOR.

Total number of cases investigated, 70; total number of arrests, 16; amount of fines imposed, \$785; number of short lobsters seized, 5,060; number of lobster eggs planted, 840,000.

The most important case investigated was the case against Charles E. Offley. Crime, felonious assault. Found guilty; sentenced to eight years in the Massachusetts State Prison.

CONSOLIDATED STATISTICAL REPORT.

Abortion,	2	Incest,	2
Abuse of female child,	1	Indecent exposure,	3
Accessory to abortion,	1	Insanity,	1
Accessory to forgery,	2	Larceny,	51
Adultery,	8	Larceny from building,	4
Arson,	4	Larceny from person,	2
Assault (simple),	5	Larceny of team,	5
Assault and battery,	35	Lewdness,	2
Assault on an officer,	2	Malicious mischief,	2
Assault with a dangerous weapon,	12	Manslaughter,	4
Attempt to defraud insurance company,	1	Murder,	10
Attempt to wreck a railroad train,	1	Non-support of family,	6
Bastardy,	1	Obtaining goods by false pre- tence,	3
Breaking and entering,	56	Obtaining money by false pre- tence,	3
Burglary,	3	Overdriving a horse,	1
Burning lumber,	2	Passing counterfeit money,	1
Capias,	2	Perjury,	3
Conspiracy,	2	Polygamy,	5
Contempt of court,	1	Profanity,	1
Cruelty to animals,	6	Rape,	3
Defiling a well,	2	Receiving stolen property,	2
Defrauding hotel keeper,	1	Selling mortgaged property,	1
Disturbing public school,	1	Transfer of prisoners,	27
Disturbing the peace,	76	Uttering forged paper,	1
Evading payment of railroad fare,	1	Vagrancy,	7
Embezzlement,	6	Violation of the fish law,	20
Enticing away a child under age,	1	Violation of the insurance law,	1
Escaped prisoner,	3	Violation of the law in regard to dentistry,	1
Felonious assault,	5	Violation of the law in regard to the employment of labor,	4
Forgery,	5	Violation of the law in regard to gift enterprise,	2
Fornication,	7	Violation of the liquor law,	17
Highway robbery,	4	Violation of the Sunday law,	4
Idle and disorderly,	1	Violation of the law regarding watchmen in hotels,	1
Illegal gaming,	8		—
Illegal peddling,	5	Total,	477
Incendiarism,	4		

THE DISPOSITION OF FORFEITED LIQUORS.

Chapter 100, section 38, provides as follows : —

Any liquors so forfeited shall, by the authority of the written order of the trial justice or court, be delivered to the chief of the district police. Said officer shall sell the same and pay over the net proceeds to the treasurer of the Commonwealth.

In obedience to the above law, I have received from the officers of the Commonwealth all liquors, and the vessels containing the same, which have been delivered to me, as having been seized and forfeited by virtue of said act, giving my receipt for the same.

I annex a schedule, showing the cities and towns from which the liquor has been received, and the quantity that has been turned over to me up to the present date.

Forfeited Liquors from Dec. 1, 1892, to Dec. 1, 1894.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT.			
		Gallons.	Quarts.	Pints.	Gills.	Gallons.	Quarts.	Pints.	Gills.
Abington, . . .	2	1	2	—	—	32	1	1	—
Andover, . . .	3	—	—	—	—	246	2	—	—
Arlington, . . .	5	7	2	—	—	7	—	—	—
Ashburnham, . . .	2	—	2	—	2	2	—	—	—
Athol, . . .	2	2	—	—	3 ¹ ₂	8	—	1	—
Attleborough, . . .	3	—	—	1	2	11	—	—	—
Auburn, . . .	1	—	2	—	—	—	—	—	—
Avon, . . .	5	2	—	1	—	3	—	—	—
Ayer, . . .	2	4	—	—	2	22	—	—	—
Bellingham, . . .	1	—	3	—	—	—	—	1	—
Belmont, . . .	2	2	1	—	2	73	—	—	—
Bernardston, . . .	1	—	—	—	—	8	—	—	—
Boston, . . .	657	570	3	1	2 ¹ ₂	6,535	—	1	2
Braintree, . . .	3	—	2	—	3 ¹ ₂	20	1	—	—
Bridgewater, . . .	4	8	2	—	—	30	—	—	—
Brockton, . . .	80	91	3	1	2	658	1	1	—
Brookfield, . . .	2	2	—	1	—	9	—	—	—
Brookline, . . .	15	4	—	1	—	163	2	1	—
Burlington, . . .	1	15	2	—	—	25	—	—	—
Cambridge, . . .	30	13	1	—	—	233	2	—	—
Chelsea, . . .	38	28	3	1	3	53	1	1	2
Chicopee, . . .	42	20	1	1	1 ¹ ₂	175	1	1	—
Clinton, . . .	4	—	—	—	—	13	2	—	—
Danvers, . . .	10	3	2	1	—	2	—	1	—
Dartmouth, . . .	2	—	1	1	1	62	—	—	—

Forfeited Liquors, etc. — Continued.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT.			
		Gallons.	Quarts.	Pints.	Gills.	Gallons.	Quarts.	Pints.	Gills.
Dedham,	7	—	2	—	—	47	1	—	—
Deerfield,	1	9	1	—	2	2	2	—	—
Dennis,	1	—	—	—	—	35	—	—	—
Douglas,	4	1	2	1	—	5	2	—	—
Dover,	2	1	2	—	2	—	—	—	—
Dracut,	1	—	1	—	—	—	—	1	—
Dudley,	1	—	1	1	—	27	—	—	—
Duxbury,	1	—	1	1	—	—	—	—	—
East Bridgewater, . .	1	1	—	—	—	—	—	—	—
Easthampton,	5	—	—	—	1 ⁴⁰⁰ ₄₀₀	21	—	—	1
Easton,	6	10	3	—	2	98	—	—	—
Essex,	1	—	—	—	—	5	1	—	—
Everett,	5	3	3	1	1	27	3	—	—
Fall River,	241	434	3	1	—	5,790	—	1	1
Fitchburg,	29	37	3	1	1 ¹ ₂	84	1	1	—
Framingham,	17	6	1	1	—	48	—	—	—
Franklin,	5	14	—	—	—	4	—	—	—
Gardner,	4	1	1	—	2	2	2	—	—
Gloucester,	60	48	1	1	2 ¹ ₂	158	—	—	3
Grafton,	1	27	1	—	—	—	1	1	—
Hanover,	1	—	—	1	—	3	—	—	—
Hardwick,	5	2	2	—	3	123	1	—	—
Haverhill,	15	—	3	1	—	49	—	1	—
Hingham,	2	4	2	—	2	12	—	—	—
Holbrook,	1	1	2	—	—	—	—	—	—
Holden,	1	4	2	—	—	9	—	—	—
Holyoke,	1	—	—	—	—	352	—	—	—
Hopedale,	1	—	—	—	—	10	—	—	—
Hyde Park,	2	—	—	—	—	15	2	—	—
Lawrence,	100	712	2	—	3	852	1	1	2
Leicester,	5	1	1	—	2	45	—	—	—
Leominster,	20	10	2	—	—	24	—	1	—
Longmeadow,	4	3	1	1	—	44	1	1	—
Lowell,	88	151	2	—	—	282	2	—	—
Lunenburg,	2	2	1	1	—	2	—	—	—
Lynn,	202	298	1	1	2 ¹ ₂	1,210	—	—	2
Malden,	83	53	3	—	1 ¹ ₂	642	2	—	1
Marblehead,	14	28	—	—	—	4	—	—	1
Marlborough,	20	4	1	1	3 ¹ ₂	144	—	1	2 ¹ ₂
Marshfield,	2	11	1	—	—	—	3	—	—
Medford,	3	—	—	—	—	1	1	—	2
Medway,	2	—	—	1	—	11	3	—	—
Melrose,	5	—	2	1	—	13	—	—	—
Mendon,	1	—	—	—	2	—	—	—	—
Milford,	24	15	2	—	1	256	—	1	—
Millbury,	7	2	3	—	1	10	—	1	—
Millis,	1	—	2	—	—	—	—	—	—
Milton,	1	—	—	—	—	6	—	—	—
Nahant,	8	3	3	—	2	30	2	—	—
Nantucket,	2	39	—	—	—	23	—	—	—

Forfeited Liquors, etc. — Continued.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT.			
		Gallons	Quarts.	Pints.	Gills.	Gallons	Quarts.	Pints.	Gills.
Natick,	15	23	—	1	—	172	1	1	—
Needham,	4	1	2	—	—	52	2	—	—
New Bedford,	18	19	3	1	3½	25	1	—	½
New Braintree,	1	4	2	—	—	9	1	—	—
Newton,	9	6	1	1	—	121	3	1	—
Northampton,	4	74	2	1	3	21	—	—	—
North Attleborough,	5	—	—	1	—	82	—	—	—
Northbridge,	4	5	—	1	2	6	—	—	—
North Brookfield,	6	3	—	1	—	47	2	—	—
Norton,	2	2	3	—	—	3	—	—	—
Norwood,	2	—	—	—	—	15	—	—	2
Oxford,	1	—	1	—	2	—	—	—	—
Peabody,	9	1	1	—	—	25	—	—	—
Pepperell,	2	—	—	—	—	10	—	—	1
Phillipston,	2	4	1	1	1	—	—	—	—
Pittsfield,	38	16	3	—	½	496	—	—	—
Quincy,	12	12	2	1	—	132	3	—	—
Randolph,	6	8	1	1	—	1	1	—	—
Reading,	1	—	2	—	1	—	—	—	—
Revere,	43	6	2	1	3½	343	1	—	2
Rockland,	5	2	2	1	1	96	—	—	—
Rockport,	5	7	2	1	1	7	—	—	—
Salem,	39	569	3	—	3	361	2	—	—
Salisbury,	15	37	2	1	—	165	2	1	—
Saugus,	5	—	—	1	2	19	—	—	—
Scituate,	2	—	—	—	3	—	1	—	—
Shirley,	1	—	—	—	—	91	2	—	—
Shrewsbury,	6	7	2	—	2	201	3	—	—
Somerville,	36	37	—	1	—	349	1	—	—
South Hadley,	4	—	—	—	—	194	2	—	—
Spencer,	8	1	—	—	2	25	—	1	—
Springfield,	40	18	3	1	2	163	3	1	—
Stoneham,	3	—	1	1	—	—	1	—	—
Stoughton,	1	—	—	—	—	50	—	—	—
Sutton,	4	2	3	1	—	4	1	—	—
Taunton,	22	35	2	—	—	478	—	—	—
Uxbridge,	2	1	3	—	—	13	—	—	—
Wakefield,	8	2	3	—	1	6	—	—	—
Waltham,	15	19	—	1	—	17	2	1	—
Ware,	1	—	—	—	—	4	—	—	—
Wareham,	4	4	—	—	—	66	—	—	—
Warren,	16	16	1	1	2	70	—	1	—
Watertown,	4	10	3	1	—	4	2	—	—
Wenham,	1	—	—	—	1	7	—	—	—
West Boylston,	4	—	2	—	—	4	—	1	—
West Bridgewater,	1	2	2	—	—	—	—	—	—
West Brookfield,	2	—	—	1	—	12	2	—	—
Westfield,	11	1	2	—	2	93	1	1	—
Westminster,	2	—	2	—	1	23	—	—	—
Westport,	1	1	1	1	—	9	3	1	—

Forfeited Liquors, etc. — Concluded.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT.			
		Gallons.	Quarts.	Pints.	Gills.	Gallons.	Quarts.	Pints.	Gills.
Weymouth, . .	29	23	2	1	—	133	—	1	—
Whitman, . .	1	8	2	—	2	—	—	—	—
Williamsburg, .	3	32	1	—	3 ¹ / ₂	3	—	—	—
Winchendon, .	4	1	2	—	2	14	1	1	—
Winchester, .	5	6	—	1	—	12	3	—	—
Winthrop, . .	4	4	—	1	—	26	—	—	—
Woburn, . .	39	10	—	—	3	378	—	—	2
Worcester, . .	84	101	3	1	2	400	3	—	—
Wrentham, . .	1	—	—	—	—	35	—	—	—
Total, . .	2,555	3,900	—	—	1	24,035	1	—	3

Liquors, and vessels containing the same, that have been seized and forfeited by virtue of said act, I have sold, and paid to the treasurer of the Commonwealth the sum of three thousand dollars received from such sales.

Appropriations and Expenditures.

	Appropriations.	Expended.
Compensation of officers,	\$60,440 00	\$60,184 13
Travel,	20,800 00	15,886 04
Contingent,	2,000 00	1,992 10
	\$83,240 00	\$78,062 27
Amount expended less than appropriations,	—	5,177 73

ROSTER OF THE MASSACHUSETTS DISTRICT POLICE.

RUFUS R. WADE, *Chief.*

CENTRAL OFFICE: State House Annex, Derne Street, Boston.

BRANCH OFFICES: Lowell, Salem, Worcester, Springfield, Fall River.
North Adams.*Department of Inspection of Factories, Workshops and Public Buildings,
Inspectors.*

NAME.	District Assigned.	Residence.
John T. White, . . .	District No. 1, .	Arlington.
Joseph A. Moore, . . .	Districts Nos. 2, 3, 6,	Roslindale.
Edwin Y. Brown, . . .	District No. 4, .	East Boston.
Joseph M. Dyson, . . .	District No. 5, .	Worcester.
Warren S. Buxton, . . .	District No. 7, .	Springfield.
Ansel J. Cheney, . . .	District No. 8, .	Beverly.
John F. Murphy, . . .	Districts Nos. 1, 9, .	Lowell.
Frederick W. Merriam, . . .	District No. 10, .	North Adams.
Henry J. Bardwell, . . .	District No. 1, .	Boston.
James C. Murray, . . .	District No. 1, .	Boston.
Joseph Halstrick, . . .	District No. 2, .	Boston.
Isaac S. Mullen, . . .	District No. 3, .	Boston.
Malcolm Sillars, . . .	District No. 4, .	Danvers.
Louis F. F. Abbott, . . .	District No. 5, .	Worcester.
John E. Foulds, . . .	District No. 5, .	Fall River.
John F. Tierney, . . .	District No. 6, .	Fall River.
John L. Knight, . . .	District No. 7, .	Springfield.
John J. Sheehan, . . .	District No. 8, .	Salem.
Edward B. Putnam, . . .	District No. 8, .	Chelsea.
Henry Splaine, . . .	District No. 9, .	Boston.
James R. Howes, . . .	District No. 10, .	North Adams.
Fannie B. Ames, . . .	Special duty, . .	Boston.
Mary E. Halley, . . .	Special duty, . .	Lawrence.
John E. Griffin, . . .	Special duty, . .	Boston.
John H. Plunkett, . . .	Special duty, . .	Boston.
Thomas Hawley, . . .	Special duty, . .	Boston.

Detective Department.

Josiah A. Bean, . . .	Northern, . . .	Natick.
Jophanus A. Whitney, . . .	Northern, . . .	Medford.
Frederick A. Rhoades, . . .	Suffolk County, . .	Malden.
George C. Pratt, . . .	South-eastern, . .	North Abington.
George F. Seaver, . . .	Southern, . . .	Taunton.
Peleg F. Murray, . . .	Middle, . . .	Worcester.
Moses H. Pease, . . .	Western, . . .	Lee.
Benson Munyan, . . .	North-western, . .	Northampton.
Daniel W. Hammond, . . .	Eastern, . . .	Haverhill.
George C. Neal, . . .	Eastern, . . .	Lynn.
William H. Proctor, . . .	Special duty, . .	Swampscott.
Simeon F. Lelleny, . . .	Southern, . . .	Hyannis.

*Clerk, JAMES P. CAMPBELL.**Assistant Clerk, JAMES W. HOITT.**Clerk of Storehouse, BELLE C. DAVIS.**Storehouse Employees, JOHN COUGHLAN and TERRANCE MCSWEENEY.*

APPENDIX.

REPORT OF INSPECTOR HAWLEY AS TO THE CAUSE OF THE EXPLOSION OF THE BOILER AT THE CENTRE SCHOOL, UXBRIDGE, MASS.

The boiler at the Centre School, Uxbridge, exploded Thursday, November 22, at 9.45 A.M., during the school session. The boiler was directly beneath the primary room of the six-room building, and exploded with such force as to lift the floor over it bodily, cutting the heavy two-by-nine floor joists completely, and stripping the floor boards nailed to them. The flying bricks, accompanied by clouds of steam, fell in showers in the room among the screaming children, struggling in the wreck of the floor. Desks were torn from the floor and smashed, and their iron supports broken in many pieces. A panic ensued among the remaining children, injuring many, though fortunately not seriously. In the school-room directly over the boiler many children were seriously bruised and scalded. Looking at the wreck, it is a mystery that some were not killed outright, and that they were not is alone due to the fortunate fact that the floor, in falling back, fell in such a way that it held together, and did not go into the basement. Had it done so, many children would have gone with it into the cellar, directly on top of the boiler, which was pouring forth steam in clouds. The janitor was not in the building at the time of the explosion.

The exploded boiler had been in use about fifteen years. It was of cast iron, nearly square in shape, with an internal fire-box extending the length of the boiler to the rear water leg. The grate was not as wide as the fire-box, the heated gases passing over each side of the grate, under the bottom of the water leg and along the external shell to the flues. The boiler was composed of two independent sections, with a single grate, the sections being connected only by circulating pipes. The front section was twenty inches long and forty inches wide, and the rear section was larger, being twenty-eight inches long and forty inches wide. The top of the fire-box was slightly crowning, and was provided with a fusible plug, and the top of the external shell of each section was also very slightly crowning. The second and larger section gave way, blowing the top completely off, in a single piece, weighing over

one hundred pounds. The line of fracture was from two to four inches from the sides of the section, and all around its edge. The material of the boiler varies in thickness from one-half inch to a scant one-quarter inch. An examination of the fracture shows that it started from a crack about four inches long, at the rear, near the right-hand corner as one faces the boiler, and there was also a smaller crack at the front right-hand corner. These cracks were undoubtedly caused by the bulging of the top of the section by the pressure beneath, the plate rising and falling with every change in pressure, finally cracking at the bending point. The cracks had been bleeding, and evidences of the leak were on the external shell, and I do not believe they were of very long standing. The plate first gave way at the larger crack, this being clearly shown by the position in which the broken piece was found, and also from the position of the steam riser that was stripped from the top of this section by the explosion, and also by the direction of the breaks of the other steam connections.

From the statement of the janitor, it appears that he left the boiler at 8.45 o'clock, having another school to attend to. He left four pounds pressure upon the boiler, a heavy hard-coal fire, with the furnace door closed and the automatic damper open, which was expected to close the draft door with any increase in pressure. The boiler supplied steam coils in six rooms, four of which were occupied. The day was warm, and all the coils but one were shut, hence there was almost no demand for steam, and a heavy fire on the grate, which with the fire door closed would still continue to burn freely after the draft door was closed.

The safety valve was one and one-quarter inches on a three-quarter-inch pipe, making practically a three-quarter-inch safety valve; and this was totally inadequate to discharge the steam as fast as produced, without an increase in pressure. That this is the case was also shown by an experience of the janitor last winter, when he returned to the boiler and found the safety valve blowing freely, set at seven pounds, yet the pressure on the boiler was twenty pounds, to which it had risen despite the fact that it was blowing off. All the conditions necessary were present to bring about a heavy pressure on the boiler. The heavy fire, no use for the steam made, and a safety valve totally inadequate to relieve the boiler, leaves no other conclusion but that the pressure reached a point unusually high with this boiler, and in the cracked condition of the plate the explosion was a natural result.

Even with the crack and the high pressure at which the boiler probably exploded, it might still have held had not the boiler been naturally a weak one. The boiler itself under any condition was

faulty in design, and an unsafe one to use. The large section was almost flat on top, twenty-eight by forty inches, in places less than one-quarter inch thick, of cast iron; and this large surface was not stayed or braced in any adequate manner. Deducting a ring four inches wide, as probably supported by the vertical sides, there remains an unsupported, practically flat plate, with an area of eight hundred square inches, that with ten pounds pressure in the boiler would bring a load of eight thousand pounds on this unsupported plate. With twenty pounds pressure, at which the janitor has found it, the load would be sixteen thousand pounds, or eight tons. If a man should set up a plate of thin cast iron, supported only on the sides, twenty by forty inches, and expect it to support a movable load of eight tons, the foolhardiness of the attempt would be instantly condemned by every observer. That was exactly what was done with that school-house boiler, how often no one knows, but very frequently known to be subjected to near that load. Not only is the strain dangerously excessive, but it acted to crack the boiler, exactly as it could have been predicted it would do.

In setting the boiler it was not furnished with check valves to prevent the loss of water by failure to close the radiator return valves. This, however, had nothing to do with the explosion; but it is dangerous, is liable to produce low water, and is a common condition in school-houses. The fusible plug was found melted, showing it to be in working condition, but did not melt until after the explosion, indicating that there was plenty of water in the boiler when the explosion occurred.

To summarize, the direct cause of the explosion was a considerable increase in pressure in the boiler, made possible by the safety valve being defective in size, and a faulty boiler, presenting a large unstayed flat surface, further weakened by being cracked, as the direct result of its faulty construction.

I have inspected the boiler in the Wheelockville school-house in the same town, and, while of safer design, it is of a type that needs very frequent inspection. It is not provided with a fusible plug, has no checks upon the returns, and, like the other boiler, I believe the safety valve to be altogether too small. These three defects are very common in boilers in school-houses, and, like the exploded boiler, may go many years before that combination of circumstances may come to cause an explosion. All of the above are dangerous defects. An inspection of the boiler that exploded would have shown it to be not a safe boiler to use, even not cracked; and it would have shown that the pressure could become a very high one with such an inadequate safety valve. My pre-

vious reports have called attention to the fact that these defects are very common in school-houses ; and they are decidedly more dangerous there, because the steam is liable to be shut off entirely by the teachers, and the janitor is away, with no one to take care of the hot fire. An automatic damper is not sufficient in such a case to check a quick increase in pressure, and there should never be any doubt as to the ability of the safety valve to take care of all the steam the boiler can generate. In many of the cases I have reported to you the safety valves have been stuck down or overweighted, and many others are dangerously too small. The boiler that exploded is but a similar case, accompanied by a defectively designed boiler. There are other boilers in use equally as dangerous, and they are never inspected ; no one knows anything about them, the janitor gives them scant attention, and every one about them is living in a fancied security that, being low-pressure boilers, they can never do any harm. Quite a number of these low-pressure boilers have exploded lately, and with disastrous results. They are safe if properly designed, so long as the pressure is low ; but the inability to keep the pressure low is a defect very common in many of them. Every safeguard should be provided and made compulsory to guard against increase in pressure as well as against deterioration in the boiler. These are not provided, the boiler is seldom inspected, with incompetent attendants, and goes on year after year, on the verge of disaster, until something happens. More explosions will inevitably follow if this dangerous state of affairs is allowed to exist.

CONCLUSION.

I have endeavored to set forth, in as comprehensive a manner as possible, the record of this department for the year 1894.

I am under obligation to the law department of the State government, and I beg the privilege of placing on record my sense of indebtedness to the Honorable the Attorney-General and his assistants, who have kindly advised me when I have sought their counsel.

Respectfully submitted,

RUFUS R. WADE,
Chief Massachusetts District Police.

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